







BRIDGESTONE

OFF-THE-ROAD TYRES FOR CATERPILLAR



| | |
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How to Order Caterpillar Equipment with Bridgestone Tyres

Every Caterpillar dealer order may specify a tyre choice identified by a part number.

The part number details a specific tyre.

The Caterpillar system allows any approved tyre brand/specification to be ordered with specified delivery times based on usage and availability. It is easiest to order tyres listed in the Caterpillar price book. With the use of this application guide, non-listed Bridgestone or Firestone tyres can be ordered with CAT approval.

If you have questions or difficulty, contact your local Bridgestone representative.

I. Bridgestone Tyre is Listed in Caterpillar Price Book

- A reference number and 'List Price At Factory' are shown on the Caterpillar ordering screen.
- Caterpillar dealer has necessary information to order.

II. Bridgestone Tyre is not Listed in Caterpillar Price Book Part Number

- Bridgestone tyre is homologated for related machine with specific CAT part number but has not been yet assigned a reference number for ordering.
- Caterpillar dealers will usually check price by contacting their Caterpillar account coordinator before order entering any part numbers.
Account coordination is done through the appropriate Caterpillar business unit.

Legend

(xxxxxxxx)

Bridgestone tyre is homologated by Caterpillar for related machine, and is listed in Caterpillar price book. All required information to order is available. (Price List N°): N° is subject to change when new model series are released.

Bridgestone tyre is homologated by Caterpillar for related machine but might not be listed in Caterpillar price book. Please contact the appropriate Caterpillar account coordinator.

Bridgestone tyre is available for related machine as replacement but not homologated as OE fitment.



| Pattern | | | | SGL | VSW | VUT | VJT | VTS |
|----------------------------|------------|-----------|----------|-----------------|--------------------------|-------------------|-----------------------------------|------------------------|
| Tread depth | | | | Standard | Standard | Standard | Standard | Standard |
| Characteristics | | | | Snow operation | Snow operation | Economical radial | High total performance | High total performance |
| Recommended ground surface | | | | | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | L2 | L2 | L2 | L3 | L3 |
| 910K | 15.5 R25 | 400 | 250 | | | * | | |
| | 17.5-25 | 400 | 250 | 12PR (420-3893) | | | | |
| 914K | 17.5 R25 | 425 | 275 | | * | * | * | |
| | 17.5-25 | 425 | 275 | 12PR (420-3893) | | | | |
| 926M | 20.5 R25 | 425 | 275 | | MS (360-2513) | * | *(357-8901) | |
| | 550/65 R25 | 425 | 325 | | | | | *(360-2521) |
| 930M | 20.5 R25 | 425 | 325 | | MS (360-2514) | * | *(357-8902) | |
| | 550/65 R25 | 425 | 325 | | | | | *(360-2522) |
| | 650/65 R25 | 350 | 250 | | | | | * |
| 938M | 20.5 R25 | 325 | 225 | | MS (360-2515 / 360-2516) | * | *(461-2926 / 357-8903 / 357-8904) | |
| | 550/65 R25 | 500 | 325 | | | | | *(360-2523) |
| | 650/65 R25 | 325 | 225 | | | | | * |
| 950M | 23.5 R25 | 350 | 225 | | MS | * | *(373-4053) | |
| | 750/65 R25 | 325 | 175 | | | | | * |
| 962M | 23.5 R25 | 400 | 250 | | MS | * | *(373-4053) | |
| | 750/65 R25 | 325 | 225 | | | | | * |
| 966M 966MXE | 26.5 R25 | 425 | 275 | | | | *(300-8697) | |
| | 775/65 R29 | 400 | 275 | | | | | *(369-6980) |
| 972M 972MXE | 26.5 R25 | 450 | 275 | | | | *(300-8697) | |
| | 775/65 R29 | 400 | 275 | | | | | *(369-6980) |
| 980M | 29.5 R25 | 600 | 400 | | | | *(380-7710) ***(476-1978) | |
| | 875/65 R29 | 600 | 400 | | | | | MS (371-0305) |
| 982M | 29.5 R29 | 650 | 425 | | | | | |
| | 875/65 R29 | 550 | 425 | | | | | MS (373-4047) |
| 988K 988K (HLA) | 35/65 R33 | 650 | 425 | | | | | |
| 990K | 45/65 R39 | 625 | 500 | | | | | |
| 992K | 45/65 -45 | 725 | 500 | | | | | |
| | 45/65 R45 | 725 | 500 | | | | | |
| 993K | 50/65 R51 | 725 | 500 | | | | | |

(HLA) For block handler and millyard applications, and any other application where higher loads may be encountered, Heavy Load Application rims (HLA) are required.

The indicated air-pressures are the Caterpillar recommendation for standard machines.
For any clarification or advice on suitable pressures for non-standard or additional application, please contact your Bridgestone representative.



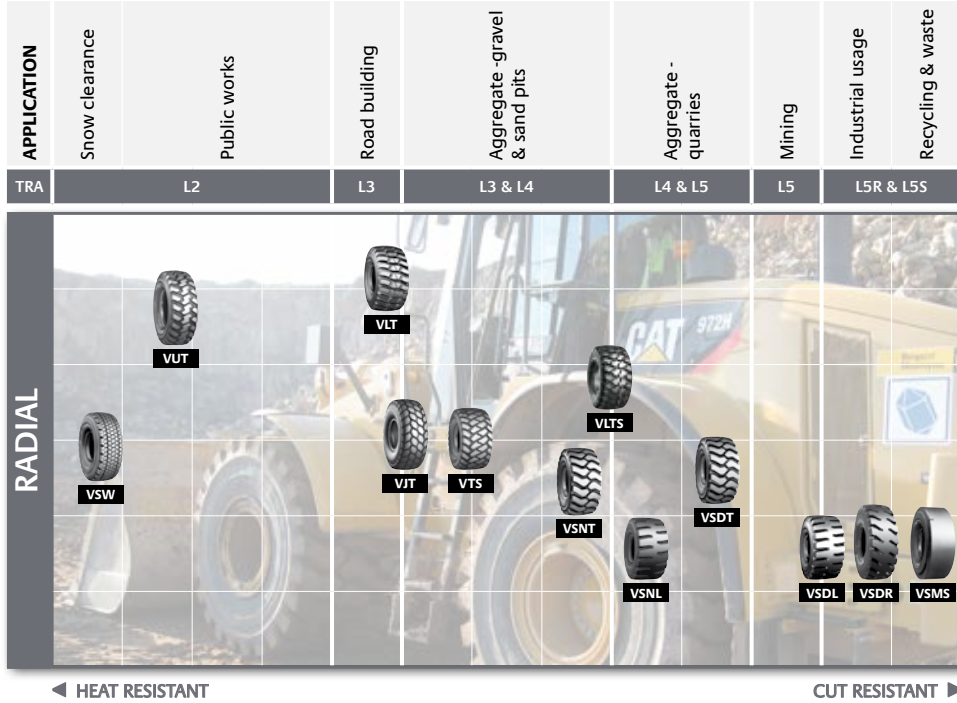
| VLT | VSNT | VLTS | VSNL | VSDT | VSDL | VSDR | VSMS |
|----------------------------|---------------|---------------|------|------------|-------------------------|---------------|-------------------|
| Standard | Deep | Deep | Deep | Extra-Deep | Extra-Deep | Extra-Deep | Extra-Deep |
| Flotation on muddy surface | Traction | Traction | Rock | Traction | Rock | Rock | Smooth |
| | | | | | | | |
| L3 | L4 | L4 | L4 | L5 | L5 | L5 | L5S |
| | | | | | * | | |
| | | | | | * | ** | ** |
| MS | | MS | | | * | ** | ** |
| MS | | MS | | | * | ** | ** |
| MS | | MS | | | * | ** | ** |
| MS | | MS | | | * | ** | ** |
| MS | | MS | | * | ** | *(434-5077) | ** |
| MS (373-4061) | | MS | | * | ** | *(434-5077) | ** |
| MS (373-4061) | | MS | | * | ** | *(395-0534) | ** |
| MS | MS (300-8698) | | | * | ** | *(395-0534) | ** |
| MS | MS (300-8698) | | | * | ** | *(395-0534) | ** |
| MS | MS | | | * | ** | *(371-0314) | ***(476-7254) |
| | | MS (397-8756) | | ** | ***(452-6056) | | ** |
| | ***(485-3623) | | ** | * | ** | ***(396-4294) | ** IDU (396-4301) |
| | | | | | *(178-8542) | | |
| | | | | | Bias DL 58PR (148-3460) | | |
| | | | ** | | ** | | |
| | | | | | ***(364-6316) | | |

Star Rating (*): Indicates the load capacity of a radial tyre at a given inflation pressure.

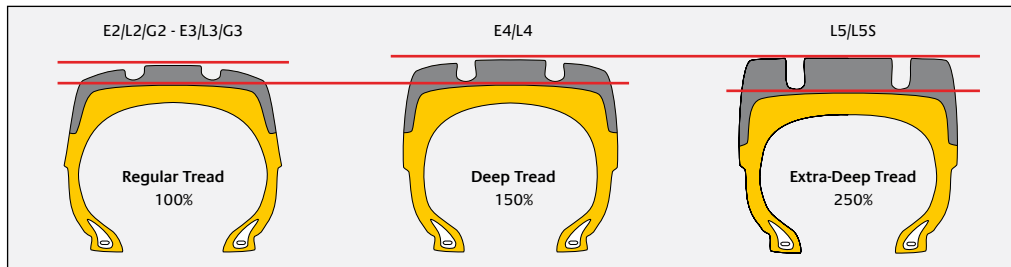
Multiple Star (MS) Rating: This refers to Bridgestone radial tyres with both markings "LOADER & DOZER * (one star)" and "EARTHMOVING ** (two star)". Those tyres can be used for both applications under their specific related load capacity and speed, meaning * (one star) is applicable on LOADER & DOZER and ** (two star) is applicable on ARTICULATED DUMP TRUCK.



Application



Tyre tread classification by TRA



VSW L2



Tyre developed for machines employed in snow clearance work. It has excellent traction as well as excellent cornering and braking performance, especially on icy, packed or soft snow surfaces. It also provides all season services.

VUT L2



Superior traction, excellent selfcleaning and flotation. Perfect for general light applications.

VJT L3



Offers great productivity value thanks to its low vibration level, high stability and good soil traction. It meets the needs of the tough working conditions required by today's quarrying and construction industries.

VTS L3



This new generation of tyre offers an exceptional stability with its wider contact surface, a superior driving comfort, an optimum traction and selfcleaning.

VLT L3



Suitable on wet, soft and muddy surfaces with excellent manoeuvrability, traction and flotation. It offers a comfortable ride due to its superb stability.

VSNT L4



Deep tread tyre suitable for tough quarry, mining or handling sites. It provides optimum traction without compromising the tread life and the riding comfort.

VLTS L4



Particularly suitable for rocky and abrasive conditions with superior traction, even in muddy conditions. It also offers good handling and comfort on hard packed surfaces. It has a long tread life and an excellent cut resistance.

VSNL L4



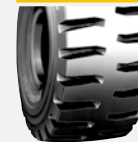
Designed for underground mining, also suitable for wheel loaders working in open pits and quarries. The rock pattern design offers outstanding traction, stability and comfort. And the sidewall protectors reduce cuts and other damages.

VSDT L5



Extra deep tyre, excellent for most severe quarry face operations where traction is of utmost importance. It maintains a high traction level even when it is 75% worn. Designed to optimise traction and reduce tread and sidewall cuts, resulting in a longer tyre life.

VSDL L5



Extra deep tread designed for severe and rocky surfaces guarantees good traction, stability and a comfortable ride. The VSDL is perfect for heavyduty operations in open pits, quarries and underground mines. The sidewall provides extended protection from cutting.

VSDR L5



Extra deep rigid pattern for the most extreme operations. The high-volume, long-life tread and superior construction result in superior cut resistance and long tyre-life. Specially designed sidewall provides extended protection from cutting.

VSMS L5S



Smooth extra deep tread tyre (L5S) designed for operations on severe rocky surfaces and in underground mines, open pits and quarries. Its special compound ensures a maximum resistance to cutting and wearing.




| Pattern | | | | VMTP | VRLS | VRDP |
|----------------------------|-----------|-----------|----------|------------------------------------|------------------------|--------------|
| Tread depth | | | | Deep | Deep | Deep-Premium |
| Characteristics | | | | Muddy & Soft | Rock | Rock |
| Recommended ground surface | | | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | E4 | E4 | E4 |
| 770G | 18.00 R33 | 800 | 800 | E1A E2A (325-1402) | | |
| 772G | 21.00 R33 | 700 | 700 | E2A (290-1170) | E2A | |
| 773G | 24.00 R35 | 700 | 700 | E2A (173-1859) E2ALS (192-2956) | E1A, E3A | E2A E2ALS |
| 775G | 24.00 R35 | 700 | 700 | E2A (173-1859) E2ALS (192-2956) | E1A, E3A | E2A E2ALS |
| 777G | 27.00 R49 | 700 | 700 | E1A E2A (175-0494) | E3A, E2A LS, E2A S2 | E2ALS |



| VREP | | VRQP | |
|--------------|---------------|--------------|-----|
| Deep-Premium | | Deep-Premium | |
| Rock | | Rock | |
| | | | |
| E4 | E4 | E2ALS | E2A |
| | | E2A E2ALS | |
| | | E2A E2ALS | |
| E2A | E2A LS E1A | | |


The indicated air-pressures are the Caterpillar recommendation for standard machines.
For any clarification or advice on suitable pressures for non-standard or additional application, please contact your Bridgestone representative.

VMTP E4




Non-directional extra deep tread pattern. High cut resistance and superior traction with side slip resistance. Perfect for severe mining, quarrying and construction operations.

VRLS E4



Used for severe rock and abrasive earthmoving operations. Special rubber compound for arduous environments, sidewall protectors and high resistance to cuts and chipping.

VRDP E4




Rock extra-deep tread pattern with sidewall protectors. Designed for giant rigid dump trucks. Can be used on abrasive or rocky road surface thanks to super cut resistance without compromising resistance to heat.

VREP E4



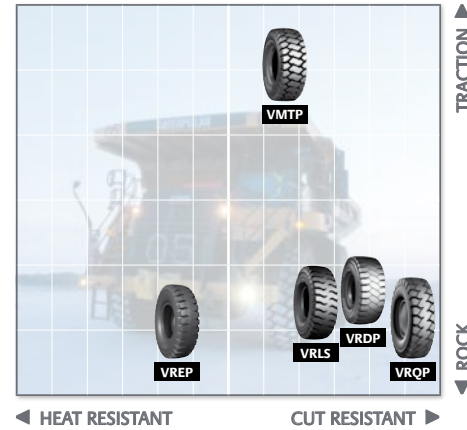
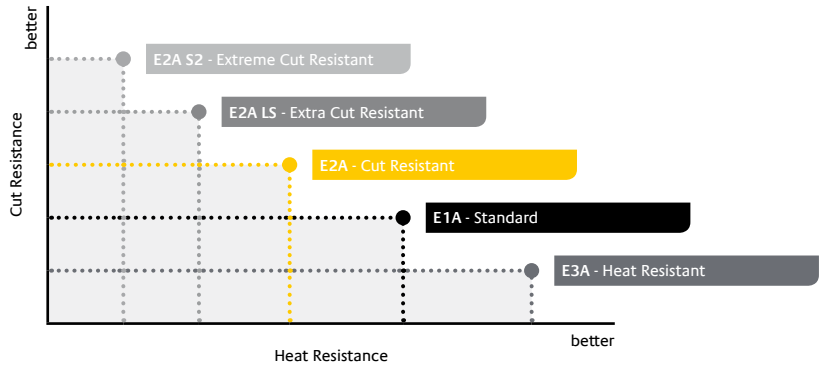
Developed for rigid dump trucks operating in heavy-duty mining operations. The rigid pattern reduces internal friction and heat generation. An innovative lug-design increases stability and driving-comfort. Superior liability for greater productivity.

VRQP E4



Developed for rigid dump trucks operating in severe conditions, especially quarrying. Excellent combination of long life, high cut resistance and advanced grip.

Compound Designation



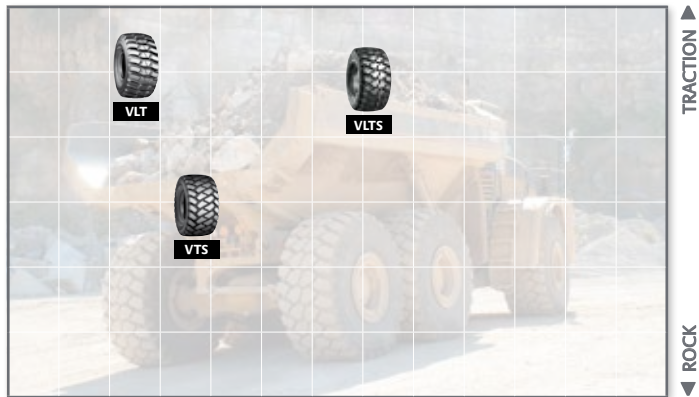


| Pattern | | | | VLT | VTS | VLTS |
|----------------------------|------------|-----------|----------|---------------|------------------------|---------------|
| Tread depth | | | | Standard | Standard | Deep |
| Characteristics | | | | Muddy & Soft | High total performance | Muddy & Soft |
| Recommended ground surface | | | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | E3 | E3 | E4 |
| 725C | 23.5 R25 | 425 | 500 | MS (380-3578) | | MS |
| | 750/65 R25 | 325 | 400 | MS (380-3582) | | ★★ (380-3583) |
| 730C | 23.5 R25 | 425 | 500 | MS (380-3578) | | MS |
| | 750/65 R25 | 325 | 400 | MS (380-3582) | | ★★ (380-3583) |
| 730C EJ | 750/65 R25 | 350 | 450 | MS (380-3582) | | ★★ |
| 735C | 26.5 R25 | 400 | 475 | MS (377-1311) | | ★★ (377-1312) |
| 740C EJ | 29.5 R25 | 400 | 500 | MS (451-7036) | | ★★ (377-1324) |
| 745C | 29.5 R25 | 450 | 425 | MS (451-7036) | | ★★ (377-1324) |
| | 875/65 R29 | 350 | 425 | | MS | MS (478-8915) |


The indicated air-pressures are the Caterpillar recommendation for standard machines. For any clarification or advice on suitable pressures for non-standard or additional application, please contact your Bridgestone representative.

Star Rating (*): Indicates the load capacity of a radial tyre at a given inflation pressure

Multiple Star (MS) Rating: This refers to Bridgestone radial tyres with both markings "LOADER & DOZER ★ (one star)" and "EARTHMOVING ★★ (two star)". Those tyres can be used for both applications under their specific related load capacity and speed, meaning ★ (one star) is applicable on LOADER & DOZER and ★★ (two star) is applicable on ARTICULATED DUMP TRUCK.




VLT E3




Suitable for wet, soft and muddy surfaces. Offers an excellent manoeuvrability, traction and flotation. Also ensures a very comfortable ride due to its superb stability.

VTS E3



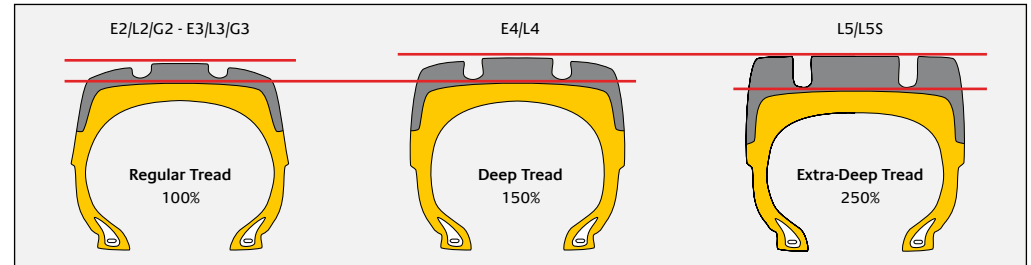
This new generation of tyre offers an exceptional stability with its wider contact surface, a superior driving comfort, an optimum traction and self-cleaning.

VLTS E4



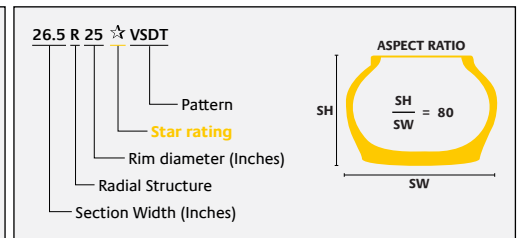
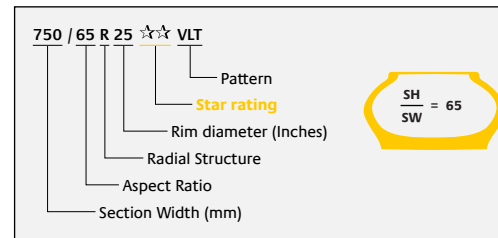
Particularly suitable for rocky and abrasive conditions with superior traction, even in muddy conditions. It also offers good handling and comfort on hard packed surfaces. It has a long tread life and an excellent cut resistance.

Tyre tread classification by TRA



65" series benefits /purpose -vs. 80"

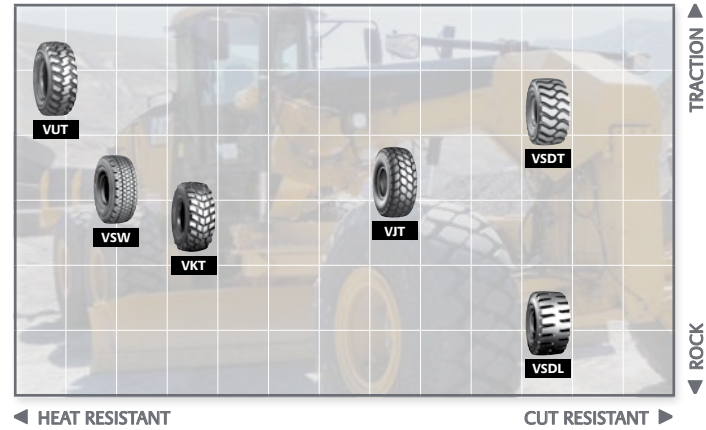
Lower ground pressure for better flotation on muddy and soft ground, and reduced ground damage.






| Pattern | | | | VKT RADIAL | VUT RADIAL | VSW RADIAL | VJT RADIAL | VSDT RADIAL | VSDL RADIAL |
|----------------------------|-----------|-----------|----------|----------------------------|-------------------|----------------|------------------------|----------------|----------------|
| Tread depth | | | | Standard | Standard | Standard | Standard | Extra-Deep | Extra-Deep |
| Characteristics | | | | Flotation on muddy surface | Economical radial | Snow operation | High total performance | Traction | Rock |
| Recommended ground surface | | | | | | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | G2 | G2 | G2 | G3 | L5 | L5 |
| 120M2 | 14.00 R24 | 250 | 325 | ★ (252-0714) | ★ (252-0720) | ★ | | | |
| | 17.5 R25 | 275 | 275 | ★ (252-0775) | | ★ | | | |
| 120M2 AWD | 14.00 R24 | 250 | 325 | ★ (252-0716) | ★ (252-0722) | ★ | | | |
| | 17.5 R25 | 275 | 275 | ★ (249-7841) | | ★ (310-7332) | | | |
| 12M3 | 13.00 R24 | 250 | 325 | | ★ | | | | |
| | 14.00 R24 | 250 | 325 | ★ (252-0714) | ★ (252-0720) | ★ | | | |
| | 17.5 R25 | 275 | 275 | ★ (252-0775) | ★ | ★ (310-7331) | | | |
| 12M3 AWD | 14.00 R24 | 250 | 325 | ★ | ★ (252-0722) | ★ | | | |
| | 17.5 R25 | 275 | 275 | ★ (249-7841) | ★ | ★ | | | |
| 140M3 | 14.00 R24 | 250 | 325 | ★ (252-0714) | ★ (252-0720) | ★ | | | |
| | 17.5 R25 | 275 | 275 | ★ (252-0775) | ★ | ★ (310-7331) | | | |
| 140M3 AWD | 14.00 R24 | 250 | 325 | ★ (252-0716) | ★ (252-0722) | ★ | | | |
| | 17.5 R25 | 275 | 275 | ★ (249-7841) | ★ | ★ (310-7332) | | | |
| 160M3 | 14.00 R24 | 250 | 325 | ★ (252-0714) | ★ (252-0720) | ★ (252-0708) | | | |
| | 17.5 R25 | 275 | 275 | ★ (252-0775) | ★ | ★ (310-7331) | | | |
| 160M3 AWD | 14.00 R24 | 250 | 325 | ★ (252-0716) | ★ (252-0722) | ★ (252-0710) | | | |
| | 17.5 R25 | 275 | 275 | ★ (249-7841) | ★ | ★ (310-7332) | | | |
| 14M | 20.5R25 | 225 | 325 | ★ (255-5002) | ★ | ★ | ★ (435-7970) | | |
| 16M3 | 23.5R25 | 225 | 325 | ★ (196-4928) | ★ (310-7336) | MS | ★ (435-7972) | ★ | ★ |
| 18M3 | 23.5R25 | 225 | 325 | ★ (196-4928) | ★ (310-7336) | MS | ★ (435-7972) | ★ | ★ |
| 24M | 29.5R29 | 325 | 400 | ★★ (8X-9068) | | | | | ★ |

The indicated air-pressures are the Caterpillar recommendation for standard machines.
For any clarification or advice on suitable pressures for non-standard or additional application, please contact your Bridgestone representative.




VKT G2




Ideal for soft or muddy surfaces, it offers good traction and flotation. It features long tread life and exceptional stability with self-cleaning tread patterns.

VUT G2




Superior traction, excellent selfcleaning and manoeuvrability.

VSW G2



Tyre developed for machines employed in snow clearance work. It has excellent traction as well as excellent cornering and braking performance, especially on icy, packed or soft snow surfaces. It also provides all season services.

VJT G3



Offers great productivity value thanks to its low vibration level, high stability and good soil traction. It meets the needs of the tough working conditions required by today's quarrying and construction industries.

VSDT L5



Extra deep tyre, excellent for most severe quarry face operations where traction is of utmost importance. It maintains a high traction level even when it is 75% worn. Designed to optimise traction and reduce tread and sidewall cuts, resulting in a longer tyre life.

VSDL L5



Extra deep tread designed for severe and rocky surfaces guarantees good traction, stability and a comfortable ride. The VSDL is perfect for heavyduty operations in open pits, quarries and underground mines. The sidewall provides extended protection from.



| Pattern | | | | VJT RADIAL | VSNT RADIAL | VSNL RADIAL | VLTS RADIAL |
|----------------------------|-----------|-----------|----------|------------------------|----------------|----------------|----------------|
| Tread depth | | | | Standard | Deep | Deep | Deep |
| Characteristics | | | | High total performance | Traction | Rock | Traction/ Rock |
| Recommended ground surface | | | | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | L3 | L4 | L4 | L4 |
| 814F | 23.5 R25 | 400 | 350 | * | | | MS |
| | 26.5 R25 | 350 | 350 | * | MS | | |
| 824K | 29.5 R25 | 350 | 350 | | MS | | |
| | 29.5 -25 | 350 | 350 | | | | |
| | 875/65R29 | 325 | 325 | | | | MS (450-9121) |
| 834K | 35/65 R33 | 350 | 350 | | MT (485-3623) | ** | |
| | 35/65 -33 | 350 | 350 | | | | |
| 844K | 45/65 R39 | 425 | 425 | | | | |
| 854K | 45/65 R45 | 650 | 425 | | | ** | |
| | 45/65 -45 | 650 | 425 | | | | |




| Pattern | | VSDT RADIAL | VSDL RADIAL | DL BIAS |
|----------------------------|-------------|----------------|----------------|---------------|
| Tread depth | | Extra-Deep | Extra-Deep | Extra-Deep |
| Characteristics | | Traction | Rock | Rock |
| Recommended ground surface | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | E3 |
| 621K | 33.25 R29 | 450 | 450 | ** (264-1408) |
| | 33.25 R29 | 450 | 450 | ** (264-1408) |
| 623K | 33.25 R29 | 450 | 450 | ** (264-1408) |
| 627K | 33.25 R29 | 450 | 450 | ** (264-1408) |
| 631K | 37.25 R35 | 550 | 550 | ** (264-1402) |
| 637K | 37.25 R35 | 550 | 550 | ** (264-1402) |
| 657G | 40.5/75 R39 | 625 | 625 | ** (281-5821) |




| Pattern | | | | VLT |
|----------------------------|-------------|-----------|----------|----------------------------|
| Tread depth | | | | Standard |
| Characteristics | | | | Flotation on muddy surface |
| Recommended ground surface | | | | |
| Machine Model | Tyre Size | Front kPa | Rear kPa | E3 |
| 621K | 33.25 R29 | 450 | 450 | ** (264-1408) |
| 623K | 33.25 R29 | 450 | 450 | ** (264-1408) |
| 627K | 33.25 R29 | 450 | 450 | ** (264-1408) |
| 631K | 37.25 R35 | 550 | 550 | ** (264-1402) |
| 637K | 37.25 R35 | 550 | 550 | ** (264-1402) |
| 657G | 40.5/75 R39 | 625 | 625 | ** (281-5821) |

VJT L3




Offers great productivity value thanks to its low vibration level, high stability and good soil traction. It meets the needs of the tough working conditions required by today's quarrying and construction industries.

VSNT L4




Deep tread tyre suitable for tough quarry, mining or handling sites. It provides optimum traction without compromising the tread life and the riding comfort.

DL L5




Extra deep tread designed for severe rocky surfaces. It offers good traction and stability, very high resistance to cutting.

VLT E3




Suitable on wet, soft and muddy surfaces with excellent manoeuvrability, traction and flotation. It offers a comfortable ride due to its superb stability.

VSNL L4




Designed for underground mining, also suitable for wheel loaders working in open pits and quarries. The rock pattern design offers outstanding traction, stability and comfort. And the sidewall protectors reduce cuts and other damages.

VLTS L4




Particularly suitable for rocky and abrasive conditions with superior traction, even in muddy conditions. It also offers good handling and comfort on hard packed surfaces. It has a long tread life and an excellent cut resistance.

VSDT L5



Extra deep tyre, excellent for most severe quarry face operations where traction is of utmost importance. It maintains a high traction level even when it is 75% worn. Designed to optimise traction and reduce tread and sidewall cuts, resulting in a longer tyre life.

VSDL L5



Extra deep tread designed for severe and rocky surfaces guarantees good traction, stability and a comfortable ride. The VSDL is perfect for heavyduty operations in open pits, quarries and underground mines. The sidewall provides extended protection from cutting.

The indicated air-pressures are the Caterpillar recommendation for standard machines. For any clarification or advice on suitable pressures for non-standard or additional application, please contact your Bridgestone representative.

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