VOLVO ARTICULATED HAULER

OPTIONAL EQUIPMENT

VOLVO

Courtesy of Machine.Market

North American Optional Equipment for Volvo Articulated Haulers

A collective range of optional equipment is available for Volvo articulated haulers. Volvo recognizes the diverse customer needs to make modifications to the standard specification in order to accurately satisfy the differing requirements of various applications throughout North America.

Deciding the correct optional equipment for specific applications is very important. Volvo optional equipment may be necessary to meet local and government regulations in certain operating conditions or territories. Proper choices can increase hauler productivity, component life, hauler protection, operator safety and comfort, and serviceability.

Optional equipment should be included at time of placing initial machine order. If optional equipment is required for a machine that is already built, orders should be made through the Volvo Parts Department. See blue pages in pricing manual.

Note: Not all items may be available in your marketplace.

Courtesy of Machine.Market

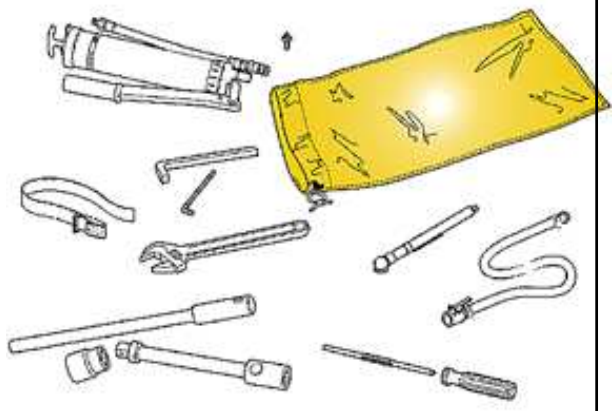
SERVICE / MAINTENANCE

Tool Kit

Simplifies maintenance and service

The tool kit contains:

- tool bag
- grease gun
- Allen wrench
- socket wrench
- box end wrench
- screwdriver
- air pressure gauge
- tire inflation hose

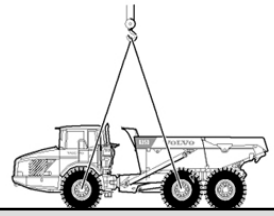


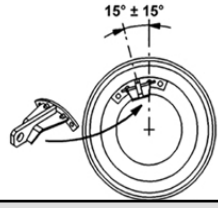
A25D	A30D	A35D	A40D
91829	91829	91829	91829

Lifting tool kit

Simplifies lifting of machine.

Mounted on the wheels of the front axle and first bogie axle using special wheel nuts.



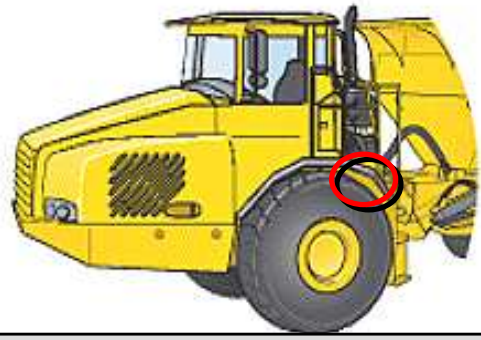


A25D	A30D	A35D	A40D
81084	81084	91172	93015

ENGINE EQUIPMENT

External engine emergency stop

External engine stop, easily accessed, mounted on the left fender. To facilitate quick engine shut-down in case of emergency.

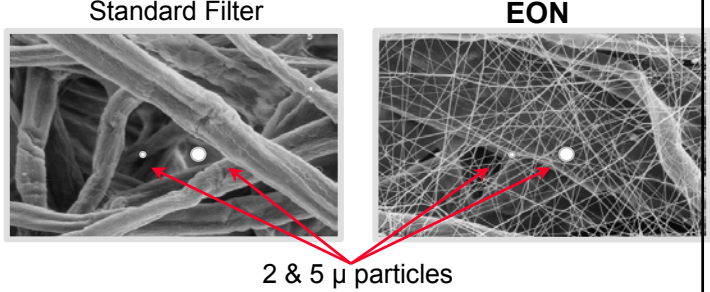


A25D	A30D	A35D	A40D
81017	81017	81017	81017

Air cleaner, heavy duty, dry type (EON)

Increases functional reliability in extremely dusty conditions. Consists of a Donaldson EON-type filter with high cleaning ability. Extended filter life – no servicing (do not blow clean) required. Fits in standard housing.

Standard Filter vs EON Comparison



A25D	A30D	A35D	A40D
81050	81050	93359	93359

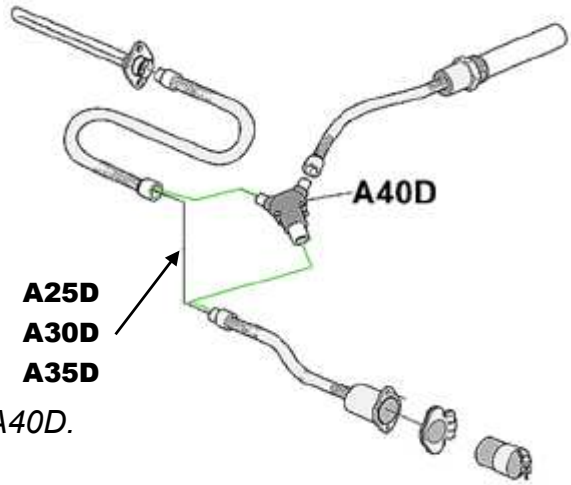
Courtesy of Machine.Market

Engine coolant preheater, electrical

Facilitates starting at low temperatures. Increases engine life.

Heating coil that heats the engine coolant mounted on the engine block. In the A40D version, it also heats the brake cooling oil.

Available in two versions – 120V and 240V



Note: *A35D with wet disc brakes uses same O/N as A40D.*

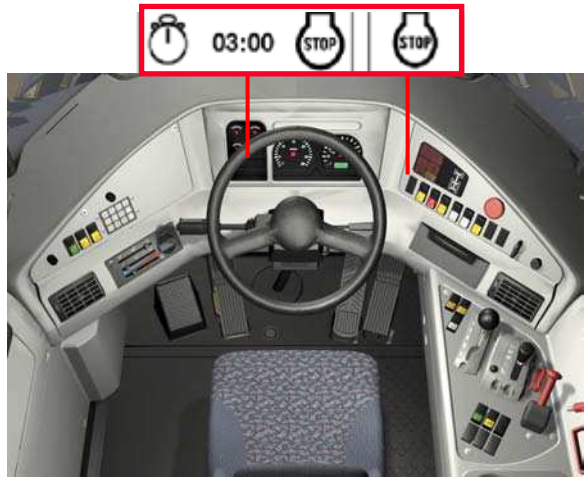
A25D	A30D	A35D	A40D
81053	81053	81117	81115
81101	81101	81116	81114

Delayed engine stop

Delayed engine shut-down, easily activated with a switch on the instrument panel. The delay is set via the Operator Communication System.

When the function is activated and the ignition key is in OFF position, the engine runs for the selected time (preset to 3 minutes) and then shuts down.

This gives the turbocharger time to cool down and ensures lubrication of the turbo, while the operator locks the machine, etc.



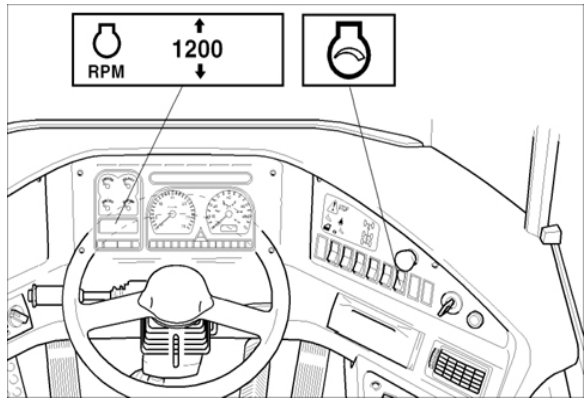
A25D	A30D	A35D	A40D
93385	93385	93385	93385

Engine high idle speed control

Changes the engine's low idle speed with a switch on the instrument panel. The low idle speed is set via the Contronics keypad.

This facilitates stationary work with attached equipment powered by the engine PTO, such as winches or additional electrical equipment. Useful In cold climates to aid warm-up.

Not usable while operating the machine.



A25D	A30D	A35D	A40D
$84	$84	$84	$84

Courtesy of Machine.Market

ELECTRICAL EQUIPMENT

Rear vision system

A wide-angle monochrome video camera attached near The body dump hinge sends rear view to the TV-monitor screen located in the cab. The operator can confidently and safely reverse while viewing the dumping area, foreign objects and possibly personnel in the blind spot directly behind the unit. Cable kit included.

Black and white monitor:

Angle of view is 100 degrees vertical and 125 degrees horizontal.

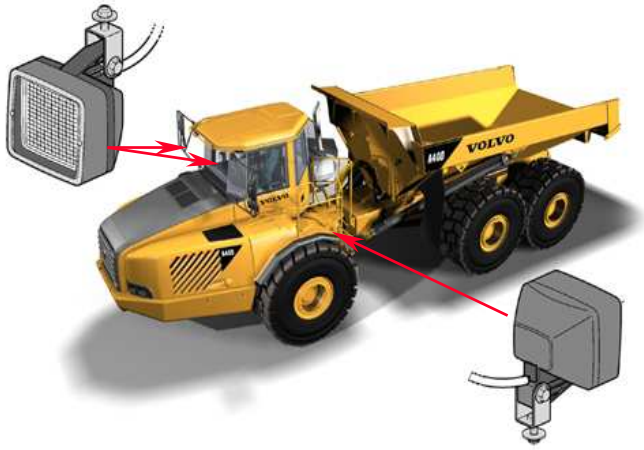
*Color monitor

Angle of view is 85 degrees vertical and 118 degrees horizontal.

A25D	A30D	A35D	A40D
93381	93381	93381	93381
81159*	81159*	81159*	81159*

Work lights, roof mounted

Two well-protected halogen lights mounted at the top front corners of the cab.



Rear work lights, fender mounted

Two halogen lights mounted facing the rear on the cab fenders.

A25D	A30D	A35D	A40D
93355	93355	93355	93355
81052	81052	81109	81109

Rotating beacon

Rotating beacon with amber light. Equipment consists of beacon, switch, etc.

Increases safety for the operator and others when the machine is working close to traffic. The beacon can be lowered when not in use, there is no increase in total height for transport.

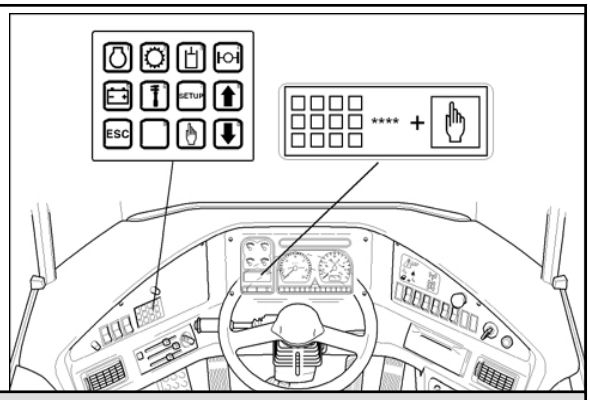
A25D	A30D	A35D	A40D
93380	93380	93380	93380

Courtesy of Machine.Market

Anti-theft protection

A four-digit code must be entered via the Operator Communication System to enable engine start.

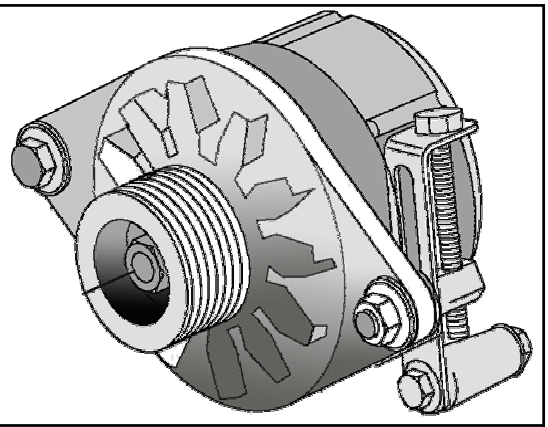
The anti-theft protection may be deactivated and the code may be changed with a Volvo service tool.



A25D	A30D	A35D	A40D
81034	81034	81034	81034

Alternator, heavy duty, 80A

The 80 Amp output, heavy duty alternator replaces the standard 55 Amp unit for applications drawing a heavier than average load from the batteries. This option should be considered if the Volvo articulated hauler was equipped with additional electrical equipment or operating in very low temperature conditions.

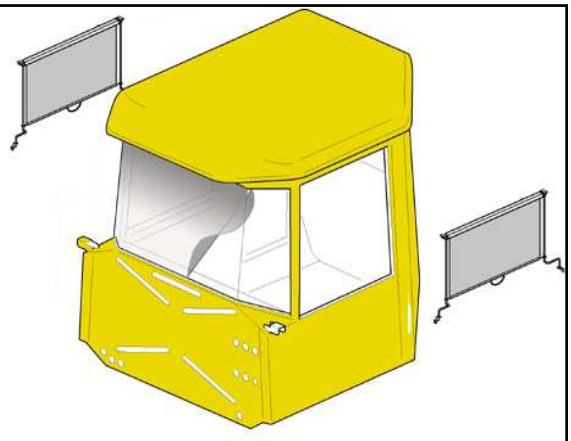


A25D	A30D	A35D	A40D
81088	81088	81076	81076

CAB EQUIPMENT

Sun shades, side windows

Two sun shades of the same type as on front window. Fits the forward side windows.



***Solar guard film**

A film applied to the cab windows. Reduces the sun's heat radiation into the cab by approximately 30%.

A25D	A30D	A35D	A40D
93375	93375	93375	93375
93391*	93391*	93391*	93391*

Courtesy of Machine.Market

Arm rests, operator's seat

Arm rests for enhanced operator comfort.

***Head restraint, operator's seat**

Head restraint for enhanced operator comfort and safety.

A25D	A30D	A35D	A40D
81077	81077	81077	81077
93376*	93376*	93376*	93376*

Cab heater electrical outlet

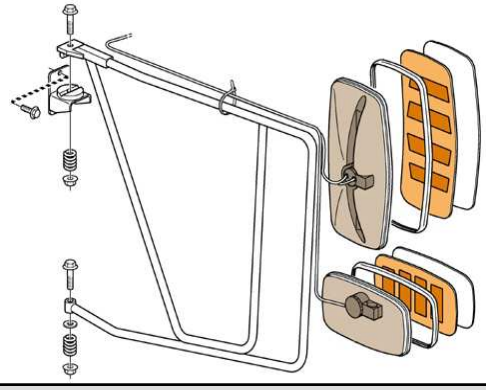
Cable with outlet installed for an additional portable cab heater. This option is available for the Volvo articulated hauler operating in extreme low temperature conditions. Cab heater not provided by Volvo. Only 120V version available.

A25D	A30D	A35D	A40D
81015	81015	81015	81015

Heated mirrors

Keeps the rearview mirrors free from mist and ice in damp or cold weather or when working underground.

The rearview mirror's glass is equipped with a heating coil on the back. A switch and control light are located on the instrument panel.



A25D	A30D	A35D	A40D
93354	93354	93354	93354

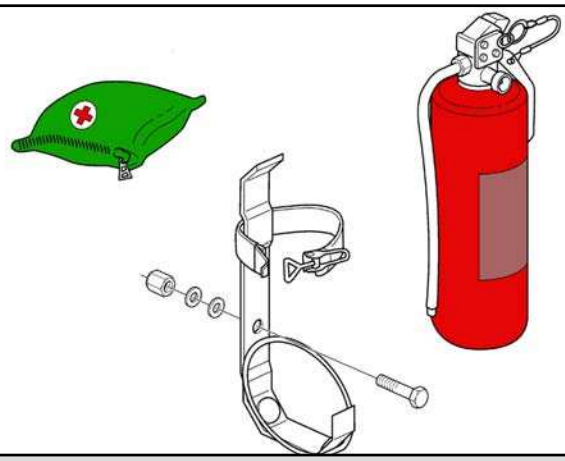
Courtesy of Machine.Market

SAFETY

Fire extinguisher and first aid kit

A portable dry powder fire extinguisher conveniently mounted inside the cab for quick access in the event of an emergency. Mandatory requirement in many coal and underground mining operations.

The first aid kit consists of a durable bag containing an approved selection of bandages, burn dressings, First Aid Instruction Booklet, ointments, scissors, etc., sufficient to treat minor cuts and injuries not requiring professional medical attention.



A25D	A30D	A35D	A40D
93358	93358	93358	93358

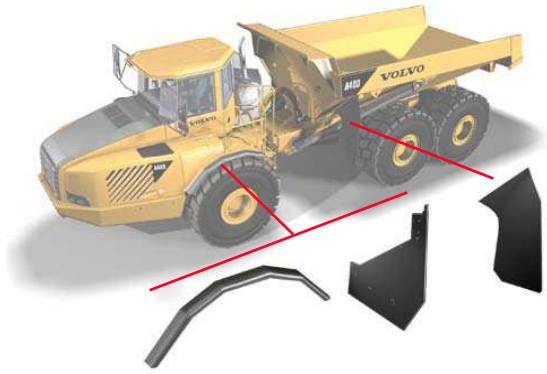
EXTERNAL

Front mudguard wideners, units with wide based tires

Rubber type guard reduces splash on side windows and rearview mirrors while used together with wide-based tires.

Rear mudflaps, front of bogie, wide based tires

Plastic type guard reduces dirt splash on footsteps, rear cab wall and side windows when operating in off-road conditions. *Required option for wide based tires



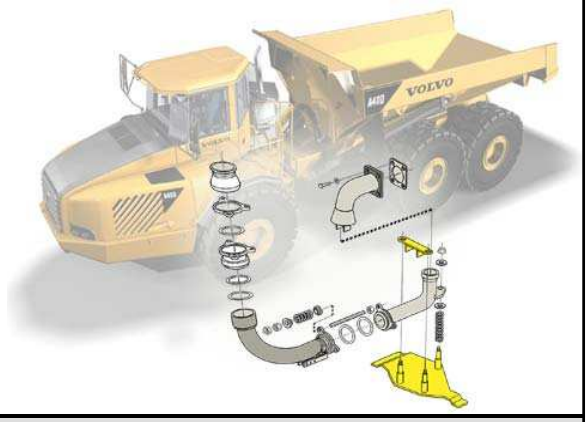
	A30D	A35D	A40D
FRONT	81079*	93379*	93378*
BACK	Included in O/N:81079	81154	93347

BODY

Exhaust body heating kit

The floor and lower side plates of the body may be heated by the engine exhaust gases in order to maximize clean discharge upon dumping and reduce risk of material freezing or sticking in cold and wet environments.

The exhaust gases are directed to the body body via a flexible metal hose out of the hitch and exit at the rear of the body.



A25D	A30D	A35D	A40D
81029	81022	93353	93345

Courtesy of Machine.Market

Overhung tailgate, wire operated

Tailgate is mounted to the rear end of two pivoting arms anchored at the front end by a wire attached to the hauler chassis. This option reduces spillage when hauling, especially on steep grades.

Designed for hauling gravel, sand, & liquid masses with a density that will not give more than the allowed maximum load with a full body. The gate is wire-operated and provides a large opening. The tailgate cannot be combined with anti-skip chains.

Before ordering, the material density must be quoted by the dealer to ensure the overhung tailgate and increased body capacity matched to the weight of the material will not exceed the rated payload of the hauler.

Heaped Body Volume (SAE 2:1)

A25D: 20.4 yd^3 **A30D:** 23.5 yd^3 **A35D:** 27.1 yd^3 **A40D:** 30.3 yd^3

Overhung Tailgate Weights

A25D: 2,070 lbs **A30D:** 2,140 lbs **A35D:** 2,200 lbs **A40D:** 2,200 lbs

A25D	A30D	A35D	A40D
93340	93343	81103	81104

Rock liners, 5/16” (8mm)

Volvo body liner plates are made of Hardox 450 Steel (5/16” thickness) and can be welded inside the Volvo standard body in order to extend body life and ensure protection in harsher applications.

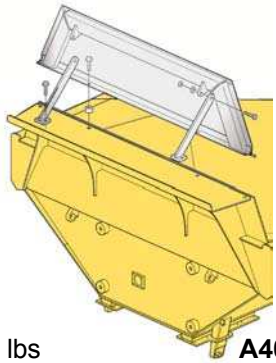
The liners minimize excessive wear and impact damage when loading abrasive materials or large rocks.

Liner Weights

A25D: 2,100 lbs **A30D:** 2,340 lbs **A35D:** 2,860 lbs **A40D:** 3,160 lbs

A25D	A30D	A35D	A40D
81030	81025	93344	93346

Extra front spillguard, bolt-mounted



The extension minimizes the possibility of misguided material dropping on to the components in the pivot area. The option is commonly used where load placement is less precise and haulage on very steep downhill grades. The spillguard folds into the body when not in use.

Extra Front Spillguard Weights

A25D: 370 lbs **A30D:** 400 lbs **A35D:** 370 lbs **A40D:** 370 lbs

A25D	A30D	A35D	A40D
93339	93342	93280	Standard

Courtesy of Machine.Market

OTHER EQUIPMENT

Hydraulic oil, biodegradable

Hydraulic oil is replaced by a biologically degradable oil (ester fluid).

A25D	A30D	A35D	A40D
81071	81071	93361	93361

Wet disc brakes, oil-cooled

The A35D wet disc brake option is located on all three axles and is full hydraulic brake actuated. The option provides increased brake force, continued reliability, quicker response and longer brake life. Recommended use when working in deep mud/wet applications and experiencing premature dry disc brake life due to abrasive materials or long hauls.

A25D	A30D	A35D	A40D
N/A	N/A	81043	Standard

Brake guards, dry disc

Bolt-on steel plates providing protection for the dry disc brakes. Protects from water, dust, mud and other possible harm from damaging the brakes.

A25D	A30D	A35D	A40D
81087	81087	81086	N/A

Towing hitch

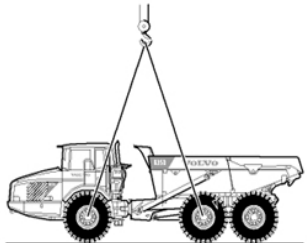
Bolt-on option located rear of the trailer frame to allow the truck to pull trailers in a safe manner.

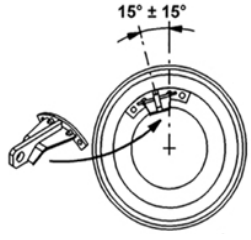
A25D	A30D	A35D	A40D
91861	91861	N/A	N/A

Lifting tool kit, wide based tires

Simplifies lifting of machine.

Applied on the wheels of the front axle and first bogie axle using special wheel nuts.





A25D	A30D	A35D	A40D
N/A	N/A	81041	93302

Courtesy of Machine.Market

O/N: 81119 Rims 19.50-25/2.5 (23,5R25 Tires)
O/N: 81120 Rims 22.00-25/3.0 (750/65R25 Tires)
O/N: 81121 Rims 22.00-25/3.0 (26,5R25 Tires)
O/N: 81122 Rims 24.00-29/3.0 (800/65R29 Tires)
O/N: 81123 Rims 25.00-25/3.0 (29,5R25 Tires)
O/N: 81124 Rims 27.00-29/3.0 (875/65R29 Tires)

Michelin XADN (E3T)

Application - All-round

This Michelin E3 radial tire for articulated halers designed to deliver exceptional reliability in a variety of applications.

- Excellent traction
- High-tech casing and special tread compounds for operator comfort
- Rugged shoulder design for added sidewall protection and long tire life

A25D	A30D	A35D	A40D
81141	81141	81143	81145

Michelin XADT (E4T)

Application – Hard ground (Quarry)

This extra deep tread Michelin E3+ radial tire for articulated haulers designed to deliver exceptional performance and durability in solid waste and quarry applications.

- Excellent traction
- Deep tread and special rubber compounds for durability and longer life
- Rugged shoulder design for added sidewall protection and long tire life

A25D	A30D	A35D	A40D
81142	81142	81144	81146

Michelin XAD 65-1 Super E3

Application – All-round soft ground

This Michelin Super E3 low profile, low pressure radial tire designed to deliver excellent flotation, lateral stability and traction for articulated haulers.

- A wide, stable footprint
- Excellent traction and adhesion
- Ability to carry the same load as an 80 series tire, but at lower pressure

A25D	A30D	A35D	A40D
N/A	81147	N/A	81149

Goodyear GP- 4D (E-4T*)

Application – All-round soft ground

Articulated haulers will track better with no tandem axle interference when fitted with this specially designed 100-level OD tire. The 150-level tread depth provides an extended treadlife and excellent mobility in soft soils. Available in 65-series profile and selected wide base sizes.

- Ability to carry the same load as an 80 series tire, but at lower pressure

A25D	A30D	A35D	A40D
N/A	N/A	81139	81140

Courtesy of Machinery Market

Goodyear RL- 2+(E- 3+T*)

Application - All-round

This Goodyear tire provides excellent traction in soft soil and loose under-foot conditions. This tire has an aggressive lug pattern and is 25% deeper than standard E-3. Tread design gives enhanced forward and lateral traction.

- 125-level tread depth and non-directional design
- Excellent flotation
- Open tread design for outstanding self-cleaning

O/N: 81138 (750/65R25 RL2+** 190B)

A25D	A30D	A35D	A40D
81132	81132	81134	81136

Goodyear GP- 4B AT (E4)

Application – Hard ground (Quarry)

A unique, 150-level tread depth tire with a 100-level outside diameter makes this tire an excellent choice for articulated haulers. Radial design offers wide range of benefits from softer ride to improved treadwear.

- 150-level tread depth (50% deeper than standard E-3)
- Solid center rib gives good roadability and lateral traction, longer wear and smooth ride.
- Advanced cut resistance and high speed durability

A25D	A30D	A35D	A40D
81133	81133	81135	81137

Bridgestone VLT E-2

Application - All-round

- Self-cleaning tread design
- Non-directional tread pattern for even wear
- Excellent floatation

O/N: 81131 (750/65R25 VLT** 190B)

A25D	A30D	A35D	A40D
81125	81125	81127	81129

Bridgestone VLTS- 4 (V-Steel L-Traction S)

Application – Hard ground (Quarry)

- Designed specifically for hauler application
- Excellent traction on gravel and packed earth
- Self-cleaning tread design
- Cut resistant design

A25D	A30D	A35D	A40D
81126	81126	81128	81130

Courtesy of Machine.Market