Vehicle description for: TGS 41.400 8x4 BB CH

Illustration can deviate

Vehicle standards

	Product family	The new MAN Truck Generation
	Variant designation	TGS 41.400 8x4 BB CH
	Vehicle type	Vehicle type Tipper (KI)
	Cab	Local transport cab NN
	Main wheel distance	2980 mm
	Overhang	800 mm
	Steering configuration	Left

Vertical Load

	National Registration	Technical Load
Gross weight	44,000 kg	44,000 kg
Front axle	9,000 kg	9,000 kg
Front axle 2	9,000 kg	9,000 kg
Rear axle	13,000 kg	13,000 kg
Rear axle 2	13,000 kg	13,000 kg

Horizontal Load

	National Registration	Technical Load
Gross train weight	0 kg	0 kg

The printed images in this offer are for explanatory purposes and may differ from the actual configuration.
For further product information on the tire selection "selectively", please contact our sales staff.

Vehicle characteristics

Basic characteristics

- Chassis
- Chassis class, heavy
- Destination Togo (TG)
- Merchant tonnage 41 t
- Basic layout of vehicle, all-round rugged
- Frame type, medium-high
- Vehicle type Tipper (KI)
- Left-hand-drive
- Right-hand traffic
- Vehicle documents in English
- Labelling in English
- Cab position 640 mm (distance from frame lower edge to cab floor)

Registration

- Vehicle classification in accordance with regulation (EU) 858/2018
- Vehicle approval, N3G class
- Maximum speed limiter, 85 km/h, tolerance +1 km/h, electronic, engine speed regulation
- Maximum vehicle noise level, 82 dB in acc. with UN/ECE-R 51.02
- Maximum vehicle width of 2,500 mm checked with respect to relevant chassis components

Documents

- Without registration documentation, national
- Special confirmation, heavy load / municipal operation

Application scope / transport tasks

- Construction
- Increase of the tyre load capacity by 10% (for communal supplement)
- 022 Tipper, rear
- Temperature range, vehicle deployment, warm country
- Case hardness of final drive Distribution

Horizontal and vertical loads

- 44,000 kg permitted gross load, vertical, nat. appr.
- 44,000 kg permitted gross load, vertical, tech.
- 44,000 kg permitted gross load, vertical, tech. Plus
- 9,000 kg permitted load on front axle, nat. appr.
- 9,000 kg permitted load on front axle, tech.
- 9,000 kg permitted load on front axle, tech. Plus
- 9,000 kg permitted load on 2nd front axle NatZu
- 9,000 kg permitted load on 2nd front axle, tech.
- 9,000 kg permitted load on 2nd front axle, tech. Plus
- 13,000 kg permitted load on rear axle NatZu
- 13,000 kg permitted load on rear axle, tech.

- 13,000 kg permitted load on rear axle, tech. Plus
- 13,000 kg permitted load on 2nd rear axle NatZu
- 13,000 kg permitted load on 2nd rear axle, tech.
- 13,000 kg permitted load on 2nd rear axle, tech. Plus
- 0kN D value

Chassis

Vehicle frame (wheelbase, overhang, ...)

- Main wheelbase, 2,980 mm
- Wheelbase between front axles, 1,795 mm
- Wheelbase between rear axles, 1,400 mm
- Frame overhang, rear, 800 mm
- Main frame side member thickness, 9.5 mm
- Vehicle rear, straight end of frame
- Top coating, chassis

Exhaust system, air intake

- Exhaust silencer, side, right
- Exhaust tailpipe, towards middle of frame

Battery cases, batteries, alternator

- Battery, 12 V, 175 Ah, 2 units, maintenance free
- Alternator, Basic
- Medium battery box, 2 batteries
- Battery box, left
- Main battery switch, mechanical
- Fuses

Tanks and fuel line

- Guard plate for tanks
- Fuel tank capacity 300 l, right
- Fuel tank, right, steel
- Tank cross-section, right, low
- Fuel tank cap, lockable

Frame attachments

- Without underride protection, front
- Without working platform
- Without underride protection, side
- Spare wheel, provisionally mounted
- Final cross member, with hole pattern 160 x 100 mm
- Underride protection, rear, round
- Wheel chock, one unit, without retaining device, delivered loose
- Body attachment bracket for tipper body, MEILLER, for vehicle chassis

Pneumatic brakes, compressed-air generation, brake system

- Air compressor, 1-cylinder, 360 ccm
- Compressed-air treatment, pneumatically controlled

- Steel compressed-air tank
- Electronic brake system (EBS)
- Anti-lock braking system (ABS)
- Full brake assistant
- MAN EVB high-performance engine brake
- Drum brakes on front axle
- Drum brakes on 2nd front axle
- Drum brakes on rear axle
- Drum brakes on 2nd rear axle
- Parking brake control, next to driver's seat
- Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)
- MAN EasyStart immobiliser

Lights and acoustic signals on the chassis (rear lights, ...)

- Rear lights
- Stone protection, for rear lights, guard, wide mesh
- Acoust. Reversing warning system when reverse gear selected
- Light function test
- Side marker lights, LED

Driveline/running gear

Engine, radiator

- Diesel engine MAN D2066 LF06, 294 kW (400 hp) output, 1,900 Nm torque, Euro 2
- Fuel filter, for fuels up to Cleanliness Class 25
- Fuel pre-filter, with oil separator/water trap
- Without torque reduction
- Ventilation, crankcase, closed
- Anti-noise skirt, engine
- Fan control for start of cooling with low coolant temperature (e.g. hot country)
- Reduction of dust swirl through radiator fan
- Engine cooler, normal length
- Radiator protection, lower
- Front radiator protection, grille
- Engine oil dipstick
- Warning message for engine coolant level, with advance warning
- Antifreeze, down to -32 °C

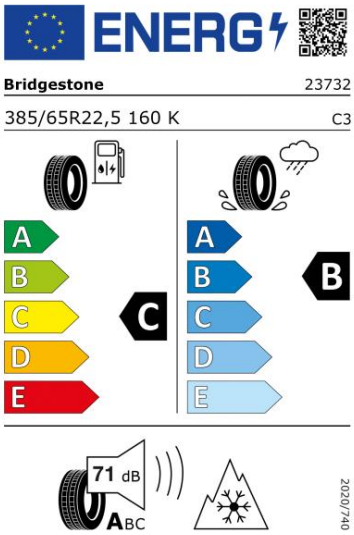
Gearbox, clutch

- MAN TipMatic 12.28 OD
- Gearbox for increased percentage of overrun during driving operation
- MAN TipMatic actuation, with drop arm, manual (DNR option, switching strategy option)
- MAN Idle Speed Driving gearbox function
- MAN TipMatic Efficiency driving program, up to 70,000 kg
- MAN TipMatic Offroad gearbox shift strategy, up to 70,000 kg
- MAN TipMatic Manoeuvre driving program, manoeuvring feature
- Single-disc clutch, 430 mm, dry, reinforced (LongLife)
- Driveline propshaft, reinforced

- Propshaft, 2nd rear axle, reinforced

Wheels, tyres

- Required tyre speed index J
- Front axle tyres Bridgestone 385/65R22.5 M-STEER 001 Steering-S+G TL



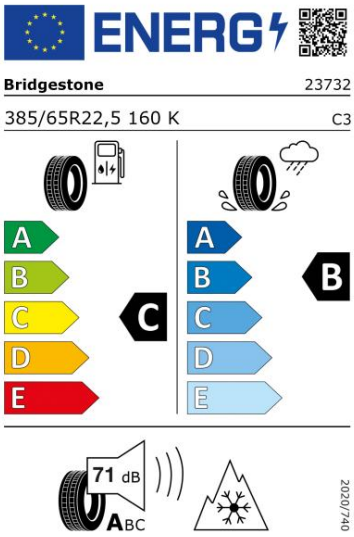
Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	**BRIDGESTONE**
Commercial name or trade designation	**M-STEER 001**
Tyre type identifier	**23732**
Tyre size designation	**385/65 R22.5**
Load-capacity index	**160**
Load-capacity index (Load index for Dual mounting)	
Speed category symbol	**K**
Fuel efficiency class	**C**
Wet grip class	**B**
External rolling noise class	**A**
External rolling noise value	**71 dB**
Severe snow tyre	**Yes**
Date of start of production	**23/20**
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, front axle, steel, single-part
- Rim size, front axle, 10-hole, 11.75x22.5

- Tyres for 2nd front axle Bridgestone 385/65R22.5 M-STEER 001 Steering-Road+Offroad TL



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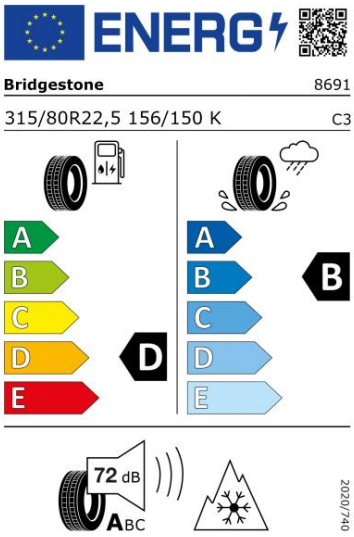
External rolling noise class	**A**
External rolling noise value	**71 dB**
Severe snow tyre	**Yes**
Date of start of production	**23/20**
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, 2nd front axle, steel, 1-part
- Rim size, 2nd front axle, 10-hole, 11.75x22.5

- Rear axle tyres Bridgestone 315/80R22.5 M-DRIVE 001 Drive-S+G TL



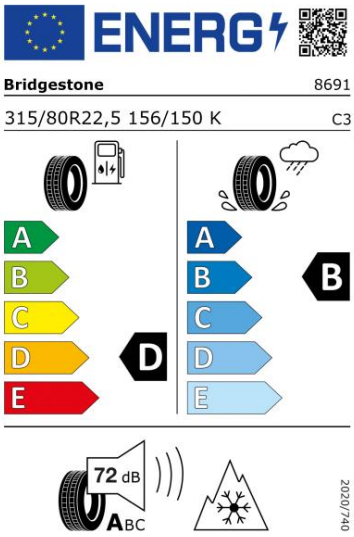
Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	**BRIDGESTONE**
Commercial name or trade designation	**M-DRIVE 001**
Tyre type identifier	**8691**
Tyre size designation	**315/80 R22.5**
Load-capacity index	**156**
Load-capacity index (Load index for Dual mounting)	**150**
Speed category symbol	**K**
Fuel efficiency class	**D**
Wet grip class	**B**
External rolling noise class	**A**
External rolling noise value	**72 dB**
Severe snow tyre	**Yes**
Date of start of production	**14/16**
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, rear axle, steel, single-part
- Rim size, rear axle, 10-hole, 9.00x22.5

- Tyres for 2nd rear axle Bridgestone 315/80R22.5 M-DRIVE 001 Drive-Road+Offroad TL



Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	**BRIDGESTONE**
Commercial name or trade designation	**M-DRIVE 001**
Tyre type identifier	**8691**
Tyre size designation	**315/80 R22.5**
Load-capacity index	**156**
Load-capacity index (Load index for Dual mounting)	**150**
Speed category symbol	**K**
Fuel efficiency class	**D**
Wet grip class	**B**
External rolling noise class	**A**
External rolling noise value	**72 dB**
Severe snow tyre	**Yes**
Date of start of production	**14/16**
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

- Rim type, 2nd rear axle, steel, single-part
- Rim size, 2nd rear axle, 10-hole, 9.00x22.5
- Spare wheel, in accordance with configuration for rear axle tyres
- Top coating, rims, steel, white-aluminium

Axles

- 8x4
- Steering ratio, standard
- Steering oil tank with electrical measuring sensor
- Front axle, 9,200 kg, not driven, straight, steered, not liftable
- Mudguard, front axle
- 2nd front axle, 9,200 kg, not driven, straight, steered, not liftable
- Mudguard, 2nd front axle, removable upper shell
- Splash guard flaps on mudguard, 2nd front axle
- Rear axle, 13,000 kg, planetary axle with drive shaft, straight, not steered, not liftable

- Twin tyre on rear axle
- Transfer mudguard, rear axle
- 2nd rear axle, 13,000 kg, planetary axle without drive shaft, straight, not steered, not liftable
- Twin tyre on 2nd rear axle
- Transfer mudguard, 2nd rear axle
- Axle ratio, i = 4.00
- Differential locks on driven rear axles
- Without differential locks, front axles
- Emergency steering pump
- Mudguard enlargement

Axle control system and suspension

- Suspension type for front axles and driven rear axles, leaf/leaf (BB)
- Leaf-spring suspension on front axle, parabolic, 4-leaf, steel
- Leaf-spring suspension on 2nd front axle, parabolic, 4-leaf, steel
- Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel
- Leaf-spring suspension on 2nd rear axle, parabolic, 5-leaf, steel
- Spring load-bearing capacity front axle 9,500 kg
- Spring load-bearing capacity of 2nd front axle, 9,500 kg
- Spring load-bearing capacity of rear axle, 16,000 kg
- Spring load-bearing capacity of 2nd rear axle, 16,000 kg
- Shock absorbers on front axle
- Shock absorbers on 2nd front axle
- Shock absorbers on rear axle
- Shock absorbers on 2nd rear axle
- Stabiliser, front axle
- Stabiliser, rear axle
- Stabiliser, 2nd rear axle
- Wishbone, reinforced

Cab

Cab and cab exterior

- Top coating, cab
- Textured coating, bumper, steel
- Textured coating, step units
- Textured coating, mudguard, behind cab
- Local transport cab NN
- Cab mount, Basic
- Cab tilt mechanism, manual
- No tilting roof/sliding roof
- Bumper, steel, 3 pieces
- Front step, integrated, with grab option
- Windscreen, composite safety glass, tinted
- Sunblind, in front of windscreen
- Wiper system for windscreen
- Wiper activation, manual
- Step unit, hinged

- Central locking, no remote control
- Vehicle key, 2 units
- No door extension
- Door labelling, according to maximum technically permitted overall vehicle weight
- Door windows, tinted
- Door window, safety glass

Lights and acoustic signals on cab exterior (headlights, horn, ...)

- Front headlights, H7
- Stone protection guard for front headlights, wide and fine mesh
- Daytime driving lights, H7
- Headlight beam regulator, manual
- Driving-light control, manual
- Contour lights, bulb, 2 units
- Turn signal lights, sides, bulb
- Horn, two-tone, electrical
- Revolving beacons, LED, yellow (individual LEDs light up in cascades, revolving)
- 2 revolving beacons on cab roof, 1 right and 1 left

Mirrors and mirror replacements

- Exterior rear-view mirror, mechanically adjustable
- Mirror housing, not painted
- Rear-view mirror arms, suitable for body width 2,500 mm to 2,600 mm
- Kerb mirror, right, mechanically adjustable
- Front mirror, mechanical adjustment

Seats

- Seat covers, fabric, standard
- Comfort driver’s seat, air-sprung
- Co-driver's seat, not sprung, with storage box
- Storage space, in seat bracket of co-driver's seat

Driver's workplace

- Steering wheel, adjustable height and angle
- Steering wheel, with parking position
- Steering lock
- Instrumentation, Basic km/h
- Tachograph Simulation Unit (TSU), instead of tachograph
- Tachograph, calibrated
- Stowage compartment, open with two USB sockets, 5 V, charging only, to the right of climate control panel
- Cigarette lighter
- Single DIN slots, 4 units, roof space, front

Cab air-conditioning system

- Air-conditioning system, manual

Cab interior

- Colour scheme for interior styling, dark
- Interior styling analogous to colour scheme

- Windscreen roller blind, internal
- Interior light, central
- Entry lighting
- Door interior cladding, washable
- Storage, instrument panel in middle section, open
- Storage box, cab rear wall, 2 units, behind driver's and co-driver's sides
- Grab handle, above door, internal, 2 units, 1 right and 1 left
- Entry handles, standard

Accessories and tools

- Compressed-air connection, cab
- Jack, 12,000 kg
- Vehicle toolkit
- No warning triangle

Intelligent Truck

Infotainment (radio,...)

- MMT infotainment system, Starter Basic
- MAN loudspeaker system
- No navigation map
- French additionally for display

Bodies/interfaces

Interfaces to semitrailer (e.g. fifth-wheel coupling, brake connection,..)

- Without trailer brake connection behind cab
- No fifth-wheel coupling

Interfaces to trailer (e.g. trailer coupling, brake connections,..)

- Towing coupling at final cross member, ROCKINGER SK5
- Towing coupling on final cross member
- Without trailer brake connection at end of frame, centre
- Without trailer socket at frame end
- Without trailer socket for anti-lock brake system (ABS)

Ex works bodies and interfaces to bodies (e.g. tipper indicator...)

- Interface for data exchange with body (DIN), behind cab
- Tipper indicator, cab (symbols)
- Operating device for tipper hydraulics, cab

PTOs

- PTO, gearbox-dependent, type NH/4c, without flange, f=0.88/1.14, position approx. 2:30 o'clock
- PTO, gearbox-dependent, for short-time operation less than 60 min
- PTO, gearbox-dependent, shiftable
- Function parameters for PTO; gearbox-dependent, driving operation
- Sector-specific parameterisation, general

Towing, recovery and lashing

- ☐ Central coupling jaw, integrated in bumper/front cross member, with lock pin

Colour

☐	Top coating, chassis	GRAPHITE BLACK RAL 9011	W
☐	Top coating, cab	PURE WHITE RAL 9010	N

Technical data: TGS 41.400 8x4 BB CH / L39EAA02

Vehicle type: Vehicle type Tipper (KI)	
Cab: Local transport cab NN	
Drive Type: 8x4	

Lengths		**mm**
TD071	Total length	8952.0
TD063	Front vehicle overhang	1607.0
TD057	Wheelbase between front axles	1795
TD058	Wheelbase between leading axle and rear axle	0
TD059	Wheelbase between rear axles	1400
TD060	Wheelbase between rear axle and trailing axle	0
TD064	Rear frame overhang	800.0
TD072	Distance from first front axle to body	465.0
TD067	Distance to kingpin from front axle, nominal position	-
TD074	Slew radius, front	-
TD075	Slew radius, rear	-
TD068	Coupling length	8370.0

Widths		**mm**
TD008	Width included rearview mirror	2981.0
TD001	Width over cab	2240.0

Frame		**mm**
TD009	Frame width at front	945.0
TD010	Frame width at the rear	765.0
TD078	Frame profile	270 x 85 x 9,5

Heights		**mm**
TD033	Maximum external height, unladen	3278.0
TD082	Total transport height, unladen	3278.0
TD034	Maximum external height, laden	3204.0
TD035	Frame height at theoretical rear wheelbase, unladen	1139.0
TD036	Frame height at theoretical rear wheelbase, laden	1056.0
TD045	Raising from driving position, front	0.0
TD046	Lowering from driving position, front	0.0
TD047	Raising from driving position, rear	0.0
TD048	Lowering from driving position, rear	0.0
TD051	Height of fifth-wheel coupling above ground, unladen	-
TD052	Height of fifth-wheel coupling above ground, laden	-

Circle dimensions		**m**
TD055	Track circle diameter	19.4
TD056	Wall-to-wall turning circle diameter	21.2

Weights/loads		**kg**
TD026	Chassis weight with cab	Error: 204
TD027	Chassis weight, front	6568
TD028	Chassis weight, rear	3675
TD029	Payload	30757
TD018	Statutorily permissible gross vehicle weight	44000
TD025	Technically permissible gross vehicle weight	44000
TD031	Statutorily permissible gross train weight	0
TD032	Statutorily permissible trailer load	0