



Vehicle description for: TGS 41.520 8x8 BB CH



Illustration can deviate

Vehicle standards	
Product family	The new MAN Truck Generation
Model & Variant	TGS 41.520 8x8 BB CH
Emission class	EURO5
Engine family	D26
Vehicle type	Vehicle type Tipper (KI)
Cab	TM cab: the comfortable one (narrow, long, medium height)
Main wheel distance	3600 mm
Overhang	800 mm
Steering configuration	Left

Vertical Load		
	National Registration	Technical Load
Gross weight	41,000 kg	42,000 kg
Front axle	8,000 kg	8,000 kg
Front axle 2	8,000 kg	8,000 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	32,500 kg	62,000 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

☐	Vehicle version for public service deployment	0P0H7
☐	Chassis	0P2U9
☐	Chassis class, heavy	0P2UC
☐	Destination Togo (TG)	0PGB2
☐	Merchant tonnage 41 t	0P8LN
☐	Basic layout, standard vehicle	0PLSI
☐	Application area, beside road hard (T2)	0PLSF
☐	Frame type, high	0P2TP
☐	Vehicle type Tipper (KI)	0P2UN
☐	Left-hand-drive	0P3AS
☐	Right-hand traffic	0P3F5
☐	Vehicle documents in English	0P2L7
☐	Labelling in English	0P8NM
☐	Cab position 720 mm (distance from frame lower edge to cab floor)	0PHBF

Registration

☐	VO (EU) (towing equipment) not required	0PJW7
☐	Vehicle approval, N3G class	0P3JS
☐	Maximum speed limiter, 85 km/h, electronic, engine speed regulation	0P2UI
☐	VO (E.U.) 1003/2010 (mounting and fixing of number plate) not required	0PFWT
☐	Maximum vehicle noise level not defined	0P2YN
☐	Height over cab, unloaded up to 4,000 mm	0PHA1
☐	Vehicle classification in accordance with regulation (EU) 2018/858	0PKAW

Documents

☐	Without registration documentation, national	0P3B0
☐	Special confirmation, heavy load / municipal operation	0P3CK

Application scope / transport tasks

☐	Construction	0P6WH
☐	090 Crane body	0P2R2
☐	Temperature range, vehicle deployment, warm country	0PHIB
☐	Case hardness of final drive Distribution	0P4F0

Lines, editions and packages

☐	Without Efficient Drive	0PVBQ
☐	Special request paintwork	0PJTD
☐	Without Individual Lion package	0PJT1

Horizontal and vertical loads

☐	41,000 kg permitted gross load, vertical, nat. appr.	0P5RD
☐	42,000 kg permitted gross load, vertical, tech.	0P5U0
☐	42,000 kg permitted gross load, vertical, tech. Plus	0P8IP
☐	8,000 kg permitted load on front axle, nat. appr.	0P5KT
☐	8,000 kg permitted load on front axle, tech.	0P5LN



☐	8,000 kg permitted load on front axle, tech. Plus	0P8D4
☐	8,000 kg permitted load on 2nd front axle NatZu	0P5F1
☐	8,000 kg permitted load on 2nd front axle, tech.	0P5NM
☐	8,000 kg permitted load on 2nd front axle, tech. Plus	0P7TX
☐	13,000 kg permitted load on rear axle NatZu	0P5HC
☐	13,000 kg permitted load on rear axle, tech.	0P5IO
☐	13,000 kg permitted load on rear axle, tech. Plus	0P8BY
☐	13,000 kg permitted load on 2nd rear axle NatZu	0P5FM
☐	13,000 kg permitted load on 2nd rear axle, tech.	0P5M9
☐	13,000 kg permitted load on 2nd rear axle, tech. Plus	0P7TJ
☐	32,500 kg permitted gross train weight, national registration	0PBHP
☐	62,000 kg permissible gross train weight TechH.	0P4YJ
☐	70,000 kg permitted gross train weight, Tech. Plus	0PBQP
☐	0kN D value	0P8XD
☐	With the registered technical gross train weight, the maximum possible gradeability is 6 %	0P9A7

Notification texts

☐	Note: Restricted steerability with engaged differential lock on front axle	0PFZN
☐	Note: With increased permissible gross weight, increase in wear of driveline and reduced service life	0PFZP
☐	Note: Max. 55,000 kg tech. permitted gross weight with engaged off-road reduction ratio in transfer case	0PFZT
☐	Note: Difference of more than 2% in FA/RA rolling circumference may lead to perceptible tension in the driveline.	0PHCX
☐	Without note (propshaft wear)	0PJRV

Chassis

Vehicle frame (wheelbase, overhang, ...)

☐	Main wheelbase, 3,600 mm	0P2ZD
☐	Wheelbase between front axles, 1,800 mm	0P3C2
☐	Wheelbase between rear axles, 1,400 mm	0P3BX
☐	Frame overhang, rear, 800 mm	0P3EU
☐	Main frame side member thickness, 9.5 mm	0P0Y7
☐	Vehicle rear, straight end of frame	0P0XT

Exhaust system, air intake

☐	Exhaust silencer, side, right	0P1BH
☐	Exhaust, bottom outlet	0P1BL
☐	Air intake, behind cab, raised	0P0AY
☐	Pre-separator for engine air intake	0P0BA

Battery cases, batteries, alternator

☐	Without AC charging	0PNW4
☐	2 batteries, 12 V, 180 Ah, long-life (EFB), maintenance free	0PGB1
☐	Three-phase alternator 28 V, 120 A, 3,360 W, LIN	0P1BZ
☐	Medium battery box, 2 batteries	0P0WU
☐	Battery box, left	0P0WO
☐	Main battery switch, mechanical	0P0WF



☐	Fuses	0P1V1
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Tanks and fuel line

☐	Guard plate for tanks	0P1DL
☐	Fuel tank capacity 400 l, right	0P4ED
☐	Fuel tank, right, steel	0P4GN
☐	Tank cross-section, right, medium	0P4HE
☐	AdBlue tank capacity 35 l, right	0P4CZ
☐	AdBlue tank, right, plastic	0P4HU
☐	Fuel tank cap, lockable for master key system	0P4H5
☐	Cap for AdBlue tank	0P4GD
☐	Fuel pre-filter position on the battery box	0PIW9

Frame attachments

☐	Without underride protection, front	0P1FM
☐	Without working platform	0P0VH
☐	Without underride protection, side	0P1FG
☐	Spare wheel, provisionally mounted	0P1GR
☐	Final cross member, with hole pattern 160 x 100 mm	0P1SB
☐	Underride protection, rear, round	0P1FD
☐	Wheel chock, two units, without retaining device, delivered loose	0P6WX
☐	Without body attachment brackets/thrust plates	0P0X6
☐	Without sensors on the side	0PMCP

Pneumatic brakes, compressed-air generation, brake system

☐	Air compressor, single cylinder, 360 ccm, with economy system	0P4Y4
☐	Air dryer, heated	0P0B2
☐	Compressed-air treatment, electronically controlled	0P0AA
☐	Steel compressed-air tank	0P0XH
☐	Electronic brake system (EBS)	0P0BL
☐	Anti-lock braking system (ABS)	0P0BE
☐	Full brake assistant	0P0CM
☐	Without preparation for EBS Full control unit	0PHPM
☐	MAN EVBec high-performance engine brake, stages possible	0P0BW
☐	Drum brakes on front axle	0P1IA
☐	Drum brakes on 2nd front axle	0P1IJ
☐	Drum brakes on rear axle	0P1I5
☐	Drum brakes on 2nd rear axle	0P1IF
☐	Parking brake control, next to driver's seat	0P3KH
☐	Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)	0PGBL
☐	Parking brake, on front axle(s), pneumatic, additional, exhaustible	0P0C1
☐	MAN EasyStart immobiliser	0P1TF

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

☐	Rear lights	0P2AQ
☐	Acoust. Reversing warning system when reverse gear selected	0P3CD
☐	Light function test	0P2AD
☐	No side marker lights	0P2BK



Driveline/running gear

Engine, radiator

☐	Diesel engine MAN D2676 LFBY (oDM), 382 kW (520 hp) output, 2,600 Nm torque, Euro 5	0PVBK
☐	Fuel filter, for fuels up to Cleanliness Class 25	0PHII
☐	Fuel pre-filter, with water trap, with water sensor	0P4XO
☐	Without torque reduction	0P0G5
☐	Ventilation, crankcase, open	0P8PN
☐	Engine skirt, in wheel arch, to prevent engine soiling	0P2E9
☐	Reduction of dust swirl through radiator fan	0P1YE
☐	Engine cooler, extended	0P4XY
☐	Radiator protection, lower	0P1XE
☐	Front radiator protection, grille	0P1VP
☐	Engine oil dipstick and digital oil level gauge	0P0B6
☐	Warning message for engine coolant level, with advance warning	0P0KA
☐	Antifreeze, down to -32 °C	0P0AK

Gearbox, clutch

☐	MAN TipMatic 12.28 OD	0P5VW
☐	Gearbox for increased percentage of overrun during driving operation	0PGCL
☐	MAN TipMatic actuation, with drop arm, manual (DNR option, switching strategy option)	0P3KI
☐	MAN Idle Speed Driving gearbox function	0P0ER
☐	MAN TipMatic Efficiency driving program, up to 70,000 kg	0P0FA
☐	MAN TipMatic Offroad gearbox shift strategy, up to 70,000 kg	0P0F4
☐	MAN TipMatic driving program extension, heavy transport	0PJX0
☐	MAN TipMatic Manoeuvre driving program, manoeuvring feature	0P0FI
☐	Transfer case MAN G252 with on-road and off-road gear	0P4XL
☐	Transfer case lock management, electronic (VSM)	0P0FU
☐	Single-disc clutch, 430 mm, dry, reinforced (LongLife)	0P0DW
☐	Main propshaft, 30,000 Nm functional limit torque	0PKZJ
☐	Propshafts with standard grease, cannot be lubricated	0PKZL
☐	Driveline propshaft, reinforced	0P0E2
☐	Propshaft, 2nd rear axle, reinforced	0PGCF
☐	Gearbox heat exchanger	0P0FW
☐	Terrain reduction via driving program	0PNW1

Wheels, tyres

☐	Required tyre speed index G	0PFWA
☐	Tyres for front axle, Goodyear 13R22.5 OMNITRAC D Drive-Road+Offroad TL	0PGLD
☐	Rim type, front axle, steel, single-part	0P0P0
☐	Rim size, front axle, 10-hole, 9.00x22.5	0P0NI
☐	Wheel nut cover ring, front axle	0P0PR
☐	Tyres for 2nd front axle, Goodyear 13R22.5 OMNITRAC D Drive-Road+Offroad TL	0PGMS
☐	Rim type, 2nd front axle, steel, 1-part	0P0PF
☐	Rim size, 2nd front axle, 10-hole, 9.00x22.5	0P0OH
☐	Wheel nut cover ring, 2nd front axle	0P0Q3
☐	Tyres for rear axle, Goodyear 13R22.5 OMNITRAC D Drive-Road+Offroad TL	0PGGE



☐	Rim type, rear axle, steel, single-part	0P00O
☐	Rim size, rear axle, 10-hole, 9.00x22.5	0P0MU
☐	Tyres for 2nd rear axle, Goodyear 13R22.5 OMNITRAC D Drive-Road+Offroad TL	0PGGR
☐	Rim type, 2nd rear axle, steel, single-part	0P0PA
☐	Rim size, 2nd rear axle, 10-hole, 9.00x22.5	0P0O7
☐	Spare wheel, in accordance with configuration for 2nd front axle tyres	0P0MK

Axles

☐	8x8	0P3BO
☐	Steering ratio, standard	0P1JX
☐	Steering oil tank with electrical measuring sensor	0P1JV
☐	Front axle, 9,000 kg, planetary axle without drive shaft, straight, steered, not liftable	0P5ES
☐	Front axle as planetary axle, driven, permanent	0P1GX
☐	Mudguard, front axle	0P1AT
☐	2nd front axle, 9,000 kg, planetary axle with drive shaft, straight, steered, not liftable	0P4ZC
☐	2nd front axle as planetary axle, driven, permanent	0P1H5
☐	Mudguard, 2nd front axle, removable upper shell	0P1B8
☐	Splash guard mat on mudguard, 2nd front axle, longer at bottom	0P1Y4
☐	Rear axle HPD-1382, 13,000 kg, planetary axle with drive-through, straight, not steered, not liftable	0PIY1
☐	Twin tyre on rear axle	0P1HN
☐	Mudguard, rear axle, upper shell removable	0P1AM
☐	Splash guard mat on mudguard, rear axle, longer at bottom	0P1XK
☐	2nd rear axle HP-1352, 13,000 kg, planetary axle without drive-through, straight, not steered, not liftable	0PIVD
☐	Twin tyre on 2nd rear axle	0P1HW
☐	Mudguard, 2nd rear axle, removable upper shell	0P1B3
☐	Splash guard mat on mudguard, 2nd rear axle, longer at bottom	0P1Y0
☐	Axle ratio, $i = 4.00$	0P0D2
☐	Differential locks on driven rear axles	0P0DI
☐	Differential locks on driven front axles	0P0DK
☐	Emergency steering pump	0P1KO

Axle control system and suspension

☐	Suspension type for front axles and driven rear axles, leaf/leaf (BB)	0P2YB
☐	Leaf-spring suspension on front axle, parabolic, 4-leaf, steel	0P1JF
☐	Leaf-spring suspension on 2nd front axle, parabolic, 4-leaf, steel	0P1JT
☐	Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel	0P1J2
☐	Leaf-spring suspension on 2nd rear axle, parabolic, 5-leaf, steel	0P1JL
☐	Spring load-bearing capacity front axle 9,000 kg	0P4YB
☐	9,000 kg spring load capacity, 2nd front axle	0PLKC
☐	Spring load-bearing capacity of rear axle, 16,000 kg	0P5BW
☐	Spring load-bearing capacity of 2nd rear axle, 16,000 kg	0P5C8
☐	Shock absorbers on front axle	0P1M4
☐	Shock absorbers on 2nd front axle	0P1ME
☐	Shock absorbers on rear axle	0P1LQ
☐	Shock absorbers on 2nd rear axle	0P1M9
☐	Stabiliser, front axle	0P1LD
☐	Stabiliser, 2nd front axle	0P1LK



☐	Stabiliser, rear axle	0P1LA
☐	Stabiliser, 2nd rear axle	0P1LH
☐	Wishbone	0P6ZR
☐	Without air suspension control, trailer/semitrailer	0PHN2

Cab

Cab and cab exterior

☐	TM cab: the comfortable one (narrow, long, medium height)	0P2DG
☐	Cab mount, Basic	0P1V8
☐	Cab tilt mechanism, manual	0P1V6
☐	Tilting roof, mechanical	0P1VW
☐	Bumper, steel, 3 pieces	0P1SG
☐	Front step, integrated, with grab option	0P1VE
☐	Windscreen, composite safety glass, tinted	0P1X0
☐	Sunblind, in front of windscreen	0P1WK
☐	Wiper system for windscreen	0P1WG
☐	Wiper activation, manual	0P1UL
☐	Step unit, hinged	0P1V0
☐	Central locking, no remote control	0P1WS
☐	Vehicle key, 2 units	0P3JT
☐	No door extension	0P1WV
☐	Door labelling, according to maximum technically permitted overall vehicle weight	0P2DO
☐	Door windows, tinted	0P1WO
☐	Door window, safety glass	0P1WM
☐	Cab rear wall, no window	0P1VD

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

☐	H7 package Basic, front headlights	0PKWT
☐	Front headlights, H7	0P1ZN
☐	Stone protection guard for front headlights, wide and fine mesh	0PICD
☐	Daytime driving lights, H7	0P2BN
☐	Turn signal lights, sides, bulb	0P1Z6
☐	Headlight beam regulator, manual	0P2AC
☐	Driving-light control, manual	0P1ZF
☐	Contour lights, bulb, 2 units	0P2BT
☐	Compressed-air horn, 2 units, cab roof	0P1UW
☐	Horn, two-tone, electrical	0P1W1
☐	Revolving beacons, LED, yellow (individual LEDs light up in cascades, revolving)	0P2BD
☐	2 revolving beacons on cab roof, 1 right and 1 left	0P2B3
☐	Spotlight, 1 unit, cab roof, left	0P1YK
☐	Spotlight, LED, white	0PJQA
☐	Switch for spotlight/manoeuvring light	0P5U5
☐	Without revolving beacons at the rear of the vehicle	0PJRO

Mirrors and mirror replacements

☐	Mirror package, exterior rear-view mirror, manually adjustable, front mirror, kerb mirror, right	0PKWY
☐	Exterior rear-view mirror, mechanically adjustable	0P2CC



☐	Kerb mirror, right, mechanically adjustable	0P2CH
☐	Front mirror, mechanical adjustment	0P2CJ
☐	Mirror housing, not painted	0P2CP
☐	Vehicle components, suitable for body width larger than 2,400 mm to 2,600 mm	0P2CT

Seats

☐	Seat covers, fabric, standard	0P2PQ
☐	Plus driver's seat package, air-sprung	0PKXF
☐	Comfort driver's seat, air-sprung	0P2P2
☐	Plus co-driver's seat package, air-sprung	0PKTP
☐	Comfort co-driver's seat, air-sprung	0P2OK
☐	Indicator, seat belt, 1st row of seats, acoustic and visual	0P8L1

Driver's workplace

☐	Multi-function steering wheel, adjustable height and angle	0P2GD
☐	Steering wheel, with parking position	0P2GE
☐	Steering lock	0P3JZ
☐	Professional instrumentation, 12.3"	0P3L2
☐	Tachograph Simulation Unit (TSU), instead of tachograph	0P2KY
☐	Tachograph, calibrated	0P2KG
☐	Stowage compartment, open with two USB sockets, 5 V, charging only, to the right of climate control panel	0PGT7
☐	Plug-in ashtray, instrument panel in middle section, 1 unit	0P2FO
☐	Cigarette lighter	0P2IH
☐	Single DIN slots, 4 units, roof space, front	0P2FJ
☐	Without storage tray next to seat	0PJRS

Cab air-conditioning system

☐	Air-conditioning system, manual	0P2NU
☐	Pre-separator (cyclone filter) for interior air intake	0P2O7

Bunk area

☐	1 bunk, 90 mm mattress, with storage nets	0PLXK
☐	Bunk, bottom, with slatted support	0P2GX
☐	Fabric cover for bottom bunk	0P2I5
☐	Standard bed mattress, bottom, 90 mm	0P2GM
☐	Net, left, at bottom bunk	0P2EI
☐	Net, right, at bottom bunk	0P2EO
☐	Cross-cab curtain, rear seats	0P2GP
☐	Storage box, rear, left, accessible from outside with flap and from inside with suspended tray	0P2H1
☐	Storage box, rear, right, accessible from outside with flap and from inside with suspended tray	0P2H5

Cab interior

☐	Dark Moon Grey with silver colour scheme for cab interior	0PKFZ
☐	Interior styling analogous to colour scheme	0PGBT
☐	Driver's workplace package with roller blind, driver's side	0PKUB
☐	Windscreen roller blind, internal	0P2FE
☐	Roller blind for door windows, internal, mechanical, driver's side	0P2FH
☐	Interior light, reading light (driver's side)	0PKMY
☐	Interior light, central	0PHA6



☐	Reading light, 1 unit, driver's side	0P2IQ
☐	Entry lighting	0P2IO
☐	Entry handles, standard	0PHPK
☐	All-round curtain	0P2GS
☐	Door interior cladding, washable	0P2IA
☐	Storage and stowage compartment package Basic, storage space under bunk, storage box accessible from outside	0PKWB
☐	Net, cab rear wall	0P2F0
☐	Storage compartment, high roof at front, 3 units, 1 left and 1 right, with flap cover, 1 with blind in centre	0P2HN
☐	Storage, instrument panel in middle section, open	0P2HK
☐	Storage compartment, below the bunk, with bulkhead	0P2HH
☐	Grab handle, above door, internal, 2 units, 1 right and 1 left	0P2G2

Accessories and tools

☐	Vehicle tool kit without accessories	0PKXB
☐	Vehicle toolkit	0P2TX
☐	No warning triangle	0P3FH
☐	Jack, 12,000 kg	0P3F8

Intelligent Truck

Assistance systems

☐	Anti-slip control (ASR)	0P1T2
☐	Tempomat (cruise control, CC)	0P1TR
☐	Road speed limiter, adjustable, limiter (engine speed regulation)	0P0C3
☐	Without advanced emergency braking system	0P1U5
☐	Without driving fitness detection system	0PHN5
☐	Without Front Detection	0PHNA
☐	Without traffic sign recognition	0PHNE
☐	Without Reversing Motion System	0PHNV
☐	Without distance warning system	0PKA0
☐	Without MAN SafeStop Assist	0PLB5
☐	Without rear area monitoring	0PMA9

Infotainment (radio,...)

☐	MMT infotainment system, Starter Basic	0P2M1
☐	MAN loudspeaker system	0P2MF
☐	No navigation map	0P2N2
☐	French additionally for display	0P2JT

Bodies/interfaces

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

☐	Without trailer brake connection behind cab	0P1O3
☐	No fifth-wheel coupling	0P1RJ
☐	Without sensing of the fifth-wheel coupling	0PHN7



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

☐	Towing coupling at final cross member, ROCKINGER SK5	0P1MZ
☐	Towing coupling on final cross member	0P1SH
☐	2-line trailer brake connection, end of frame, centre, standard coupling	0P1NZ
☐	Trailer socket, frame end, 24 V, 7-pin and 7-pin	0P1OU
☐	Trailer socket for anti-lock brake system (ABS), end of frame	0P1O4

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

☐	Interface for data exchange with tipper and engine speed. (ZDR), front area FHS and behind FHS	0PKNU
☐	Interface for extended signal output (EIO)	0PJBE

PTOs

☐	Without PTO, engine-dependent (direction of rotation)	0P4P8
☐	PTO, gearbox-dependent, type NH/4c, without flange, $f=0.88/1.14$, position approx. 2:30 o'clock	0P4QS
☐	PTO, gearbox-dependent, for short-time operation less than 60 min	0P4VK
☐	PTO, gearbox-dependent, shiftable	0P4X9
☐	Without fan wheel for PTO, gearbox-dependent	0P4VR
☐	Without flange coupling for PTO, gearbox-dependent, elastic	0PMCB
☐	Function parameters for PTO; gearbox-dependent, driving operation	0P4WP
☐	Without flange coupling for auxiliary output, dependent on PTO, elastic	0PMCD
☐	Sector-specific parameterisation, general	0P4X0
☐	Without electromechanical NA installation position	0PNXB

Towing, recovery and lashing

☐	Central coupling jaw, integrated in bumper/front cross member, with lock pin	0P1MK
☐	2 shackles on the front of the vehicle, shape C size 3	0P1S3

Paintworks

Paintwork, cab, top

☐	Top coating, cab	0P6YB
☐	Top coating, high roof	0P6YD

Paintwork, cab, bottom

☐	Textured coating, step units	0P6X9
☐	Textured coating, mudguard, behind cab	0P6YG
☐	Textured coating, bumper, steel	0P6YQ

Paintwork, chassis

☐	Without additional top coating on chassis	0PJTK
☐	Top coating, rims, steel, white-aluminium	0P6YL

Other

☐	Without MY 26 Budget TGS NN	YW543
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Colour

☐	Top coating, high roof	PURE WHITE RAL 9010	N
☐	Top coating, cab	PURE WHITE RAL 9010	N