

Vehicle description for: TGS 40.480 6x4 BB SA



Illustration can deviate

Vehicle standards

Product family	The new MAN Truck Generation
Model & Variant	TGS 40.480 6x4 BB SA
Engine family	D26
Vehicle type	Vehicle type Semitrailer tractor (SA)
Cab	Local transport cab NN
Main wheel distance	3900 mm
Overhang	700 mm
Steering configuration	Left

Vertical Load

	National Registration	Technical Load	Technical Load Plus
Gross weight	39,000 kg	40,000 kg	40,000 kg
Front axle	9,000 kg	9,000 kg	9,000 kg
Rear axle	16,000 kg	16,000 kg	16,000 kg
Rear axle 2	16,000 kg	16,000 kg	16,000 kg

Horizontal Load

	National Registration	Technical Load	Technical Load Plus
Gross train weight	44,000 kg	44,000 kg	70,000 kg

Vehicle characteristics

Basic characteristics

<input type="checkbox"/>	Vehicle version municipal/public service deployment	0P0H7
<input type="checkbox"/>	Semitrailer tractor	0P2UA
<input type="checkbox"/>	Chassis class, heavy	0P2UC
<input type="checkbox"/>	Merchant tonnage 40 t	0P8LM
<input type="checkbox"/>	Basic layout of vehicle, especially for heavy-duty use and heavy payloads	0PGCW
<input type="checkbox"/>	Frame type, high	0P2TP
<input type="checkbox"/>	Vehicle type Semitrailer tractor (SA)	0P2UR
<input type="checkbox"/>	Left-hand-drive	0P3AS
<input type="checkbox"/>	Right-hand traffic	0P3F5
<input type="checkbox"/>	Vehicle documentation in French	0P2LA
<input type="checkbox"/>	Labelling in French	0P8NN
<input type="checkbox"/>	Cab position 640 mm (distance from frame lower edge to cab floor)	0PHBE

Registration

<input type="checkbox"/>	Vehicle approval, N3G class	0P3JS
<input type="checkbox"/>	Maximum speed limiter, 89 km/h, tolerance +1 km/h, electronic, engine speed regulation	0P2UJ
<input type="checkbox"/>	Maximum vehicle noise level, 82 dB in acc. with UN/ECE-R 51.02	0PIND
<input type="checkbox"/>	Height over cab, unloaded up to 4,000 mm	0PHA1
<input type="checkbox"/>	Vehicle classification in accordance with regulation (EU) 2018/858	0PKAW

Documents

<input type="checkbox"/>	Data confirmation, international	0P3AO
<input type="checkbox"/>	Supplier declaration	0P3AU
<input type="checkbox"/>	European standard exhaust emission confirmation	0P2Q7
<input type="checkbox"/>	Without registration documentation, national	0P3B0
<input type="checkbox"/>	Special confirmation, heavy load / municipal operation	0P3CK

Application scope / transport tasks

<input type="checkbox"/>	Construction	0P6WH
<input type="checkbox"/>	040 SZM Standard	0P2QM
<input type="checkbox"/>	Temperature range, vehicle deployment, warm country	0PHIB
<input type="checkbox"/>	Case hardness of final drive Distribution	0P4F0

Lines, editions and packages

<input type="checkbox"/>	Special request paintwork	0PJTD
<input type="checkbox"/>	Without Individual Lion package	0PJT1

Horizontal and vertical loads

<input type="checkbox"/>	39,000 kg permitted gross load, vertical, nat. appr.	0P5Q9
<input type="checkbox"/>	40,000 kg permitted gross load, vertical, tech.	0P5UW
<input type="checkbox"/>	40,000 kg permitted gross load, vertical, tech. Plus	0P8IL
<input type="checkbox"/>	9,000 kg permitted load on front axle, nat. appr.	0P5KX
<input type="checkbox"/>	9,000 kg permitted load on front axle, tech.	0P5LR
<input type="checkbox"/>	9,000 kg permitted load on front axle, tech. Plus	0P8EA

your mobility partner

<input type="checkbox"/>	16,000 kg permitted load on rear axle NatZu	0P5HI
<input type="checkbox"/>	16,000 kg permitted load on rear axle, tech.	0P5IU
<input type="checkbox"/>	16,000 kg permitted load on rear axle, tech. Plus	0P8B4
<input type="checkbox"/>	16,000 kg permitted load on 2nd rear axle NatZu	0P5FS
<input type="checkbox"/>	16,000 kg permitted load on 2nd rear axle, tech.	0P5NF
<input type="checkbox"/>	16,000 kg permitted load on 2nd rear axle, tech. Plus	0P7TP
<input type="checkbox"/>	44,000 kg permitted gross train weight, national registration	0PBIY
<input type="checkbox"/>	44,000 kg permissible gross train weight TechH.	0P6ZL
<input type="checkbox"/>	70,000 kg permitted gross train weight, Tech. Plus	0PBQP
<input type="checkbox"/>	0kN D value	0P8XD

Notification texts

<input type="checkbox"/>	Notice: Reduced front overhang angle due to long radiator	0PHPG
<input type="checkbox"/>	Without note (propshaft wear)	0PJRV

Chassis

Vehicle frame (wheelbase, overhang, ...)

<input type="checkbox"/>	Main wheelbase, 3,900 mm	0P2ZK
<input type="checkbox"/>	Wheelbase between rear axles, 1,400 mm	0P3BX
<input type="checkbox"/>	Frame overhang, rear, 700 mm	0P3EQ
<input type="checkbox"/>	Main frame side member thickness, 9.5 mm	0P0Y7
<input type="checkbox"/>	Vehicle rear, angled end of frame	0P0XS
<input type="checkbox"/>	Semitrailer auxiliary frame	0P0XV

Exhaust system, air intake

<input type="checkbox"/>	Exhaust silencer, side, left	0P1BG
<input type="checkbox"/>	Exhaust tailpipe, towards rear	0P1BQ
<input type="checkbox"/>	Air intake, behind cab, raised	0P0AY

Battery cases, batteries, alternator

<input type="checkbox"/>	Battery, 12 V, 175 Ah, 2 units, maintenance free	0P0WA
<input type="checkbox"/>	Alternator, Basic	0P1BV
<input type="checkbox"/>	Medium battery box, 2 batteries	0P0WU
<input type="checkbox"/>	Battery box, left	0P0WO
<input type="checkbox"/>	Main battery switch, mechanical	0P0WF
<input type="checkbox"/>	Fuses	0P1V1

Tanks and fuel line

<input type="checkbox"/>	Guard plate for tanks	0P1DL
<input type="checkbox"/>	Fuel tank capacity 400 l, right	0P4ED
<input type="checkbox"/>	Fuel tank, right, steel	0P4GN
<input type="checkbox"/>	Tank cross-section, right, medium	0P4HE
<input type="checkbox"/>	Fuel tank cap, lockable for master key system	0P4H5
<input type="checkbox"/>	Filter screen for fuel tank filler neck	0P1EM
<input type="checkbox"/>	Fuel pre-filter position on the battery box	0PIW9

Frame attachments

<input type="checkbox"/>	Without underride protection, front	0P1FM
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- Working platform, with step

0P0VE



- Without underride protection, side
- Spare wheel hoist on left side, in front of rear axle
- Hoist for spare wheel
- Final cross member, with hole pattern 160 x 100 mm
- Without underride protection, rear
- Wheel chock, 1 unit, with retaining device
- Without body attachment brackets/thrust plates

0P1FG
0P0XO
0P0VN
0P1SB
0P1FB
0P1FO
0P0X6

Pneumatic brakes, compressed-air generation, brake system

- Air compressor, 1-cylinder, 360 ccm
- Compressed-air treatment, pneumatically controlled
- Compressed-air tank, steel, with elastic inserts beneath clamping straps
- Electronic brake system (EBS)
- Anti-lock braking system (ABS)
- Full brake assistant
- Without preparation for EBS Full control unit
- MAN EVB high-performance engine brake
- Drum brakes on front axle
- Drum brakes on rear axle
- Drum brakes on 2nd rear axle
- Parking brake control, next to driver's seat
- Brake cylinder with parking brake for increased gross weight
- Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)

0P0AF
0P0AB
0P8KE
0P0BL
0P0BE
0P0CM
0PHPM
0P0BV
0P1IA
0P1I5
0P1IF
0P3KH
0P8QF
0PGBL

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

- Rear lights
- Acoust. Reversing warning system when reverse gear selected
- Light function test
- Side marker lights, LED

0P2AQ
0P3CD
0P2AD
0P2BJ

Driveline/running gear

Engine, radiator

- Diesel engine MAN D2676 LF03, 353 kW (480 hp) output, 2,300 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, open
- 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, extended
- Radiator protection, lower

0P6BO
0PHII
0P0AT
0P0G5
0P8PN
0P2E7
0P0K5
0P1YE
0P4XY
0P1XE



- Front radiator protection, grille

0P1VP



- Engine oil dipstick and digital oil level gauge
- Warning message for engine coolant level, with advance warning
- Antifreeze, down to -32 °C

0P0B6
0P0KA
0P0AK

Gearbox, clutch

<input type="checkbox"/>	Manually operated gearbox, MAN 16.25 OD	0P5VL
<input type="checkbox"/>	Gearbox for increased percentage of overrun during driving operation	0PGCL
<input type="checkbox"/>	Manual gearbox operation, single-H, group/split switch	0P3KL
<input type="checkbox"/>	Single-disc clutch, 430 mm, dry	0P0DT
<input type="checkbox"/>	Driveline propshaft, reinforced	0P0E2
<input type="checkbox"/>	Propshaft, 2nd rear axle, reinforced	0PGCF

Wheels, tyres

<input type="checkbox"/>	Required tyre speed index G	0PFWA
<input type="checkbox"/>	Tyres front axle optional 325/95R24 steer S+G TL (162/160 K)	0PFAI
<input type="checkbox"/>	Rim type, front axle, steel, single-part	0P0P0
<input type="checkbox"/>	Rim size, front axle, 10-hole, 8.5x24	0P0NH
<input type="checkbox"/>	Wheel nut cover ring, front axle	0P0PR
<input type="checkbox"/>	Rear axle tyres optional 325/95R24 Drive-S+G TL (162/160 K)	0PDUN
<input type="checkbox"/>	Rim type, rear axle, steel, single-part	0P0OO
<input type="checkbox"/>	Rim size, rear axle, 10-hole, 8.5x24	0P0MT
<input type="checkbox"/>	Tyres for 2nd rear axle optionally 325/95R24 Drive-Road+Offroad TL (162/160 K)	0PECN
<input type="checkbox"/>	Rim type, 2nd rear axle, steel, single-part	0P0PA
<input type="checkbox"/>	Rim size, 2nd rear axle, 10-hole, 8.5x24	0P0O6
<input type="checkbox"/>	Spare wheel, in accordance with configuration for front axle tyres	0P0MH
<input type="checkbox"/>	Tyre inflation hose, 10 m, with pressure gauge	0P1U9
<input type="checkbox"/>	Centring sleeves for rim mounting	0PHZW

Axles

<input type="checkbox"/>	6x4	0P3B9
<input type="checkbox"/>	Steering ratio, indirect	0P1JY
<input type="checkbox"/>	Steering oil tank with electrical measuring sensor	0P1JV
<input type="checkbox"/>	Front axle, 9,200 kg, not driven, straight, steered, not liftable	0P5EX
<input type="checkbox"/>	Mudguard, front axle	0P1AT
<input type="checkbox"/>	Rear axle, 16,000 kg, planetary axle with drive shaft, straight, not steered, not liftable	0P4ZQ
<input type="checkbox"/>	Twin tyre on rear axle	0P1HN
<input type="checkbox"/>	Mudguard, rear axle, plastic half shells in front of rear axle	0P1AO
<input type="checkbox"/>	2nd rear axle, 16,000 kg, planetary axle without drive shaft, straight, not steered, not liftable	0P4Y9
<input type="checkbox"/>	Twin tyre on 2nd rear axle	0P1HW
<input type="checkbox"/>	Mudguard, plastic half shells, behind 2nd rear axle	0P1AX
<input type="checkbox"/>	Splash guard mat on mudguard, 2nd rear axle	0P1XY
<input type="checkbox"/>	Axle ratio, $i = 4.33$	0P0D6
<input type="checkbox"/>	Differential locks on driven rear axles	0P0DI
<input type="checkbox"/>	Without differential locks, front axles	0P0DL

Axle control system and suspension

<input type="checkbox"/>	Suspension type for front axles and driven rear axles, leaf/leaf (BB)	0P2YB
<input type="checkbox"/>	Leaf-spring suspension on front axle, parabolic, 3-leaf, steel	0P1JE
<input type="checkbox"/>	Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel	0P1J2
<input type="checkbox"/>	Leaf-spring suspension on 2nd rear axle, parabolic, 5-leaf, steel	0P1JL
<input type="checkbox"/>	Spring load-bearing capacity front axle 9,500 kg	0P5C4
<input type="checkbox"/>	Spring load-bearing capacity of rear axle, 16,000 kg	0P5BW

- Spring load-bearing capacity of 2nd rear axle, 16,000 kg
- Shock absorbers on front axle, reinforced
- Shock absorbers on rear axle
- Shock absorbers on 2nd rear axle
- Stabiliser, front axle
- Stabiliser, rear axle
- Stabiliser, 2nd rear axle
- Wishbone, reinforced

0P5C8
0P1M6
0P1LQ
0P1M9
0P1LD
0P1LA
0P1LH
0P6ZS

Cab

Cab and cab exterior

- Local transport cab NN

0P2DL



- 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

0P1V8
0P1V6
0P1VY
0P1SG
0P1VE
0P1X0
0P1WK
0P1WG
0P1UL

- Step unit, hinged

0P1V0



- Central locking, no remote control
- Vehicle key, 2 units
- No door extension
- Door labelling, according to trade tonnage of vehicle
- Door windows, tinted
- Door window, safety glass
- Cab rear wall, no window

0P1WS
0P3JT
0P1WV
0P2DQ
0P1WO
0P1WM
0P1VD

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

- Front headlights, H7
- Stone protection for front headlights, guard, wide mesh

0P1ZN
0P1ZT



- Daytime driving lights, LED

0P2BP



- Turn signal lights, sides, bulb
- Headlight beam regulator, manual
- Driving-light control, manual
- Contour lights, bulb, 2 units
- Horn, two-tone, electrical
- Spotlight, 1 unit, cab roof, right
- Spotlight, LED, white
- Switch for spotlight/manoeuvring light
- Without revolving beacons at the rear of the vehicle

0P1Z6
0P2AC
0P1ZF
0P2BT
0P1W1
0P1YL
0PJQA
0P5U5
0PJRO

Mirrors and mirror replacements

- Exterior rear-view mirror, electrically adjustable
- Mirror housing, not painted
- Vehicle components, suitable for body width larger than 2,400 mm to 2,600 mm

0P2CA
0P2CP
0P2CT

Seats

- Seat covers, fabric, standard
- Comfort driver's seat, air-sprung
- Driver's seat arm rests
- Adjustment of seat belt height, driver's seat
- Co-driver's seat, not sprung, length and backrest adjustment

0P2PQ
0P2P2
0P2OE
0P4XQ
0P2OQ

Driver's workplace

- Multi-function steering wheel, adjustable height and angle

0P2GD



- Steering wheel, with parking position
- Steering lock
- Instrumentation, Basic km/h

0P2GE

0P3JZ

0P3L3



- Tachograph Simulation Unit (TSU), instead of tachograph
- Tachograph, calibrated

0P2KY

0P2KG

- Stowage compartment, open, to the right of climate control panel

0PGT8



- Plug-in ashtray, instrument panel in middle section, 1 unit
- Cigarette lighter
- Single DIN slots, 4 units, roof space, front

0P2FO

0P2IH

0P2FJ

Cab air-conditioning system

- Air-conditioning system, manual

0P2NU



Cab interior

- Colour scheme for interior styling, dark

0P2I6



- Interior styling analogous to colour scheme
- Windscreen roller blind, internal
- Without interior lighting package
- Interior light, central
- Entry lighting
- Entry handles, standard
- Door interior cladding, washable
- 2 storage compartments, cab rear wall, behind driver's and co-driver's side and net on cab rear wall
- Storage, instrument panel in middle section, open

0PGBT
0P2FE
0PKNF
0PHA6
0P2IO
0PHPK
0P2IA
0PGB8
0P2HK



- Grab handle, above door, internal, 2 units, 1 right and 1 left

0P2G2

Accessories and tools

- Vehicle toolkit
- First aid kit
- Warning triangle, 1 units

0P2TX
0P3F3
0P3FI

Intelligent Truck

Assistance systems

- Tempomat (cruise control, CC)

0P1TR



- Road speed limiter, adjustable, limiter (engine speed regulation)
 □ Without advanced emergency braking system

0P0C3

0P1U5

Infotainment (radio,...)

- MMT infotainment system, Starter Basic

0P2M1



The MAN SD card radio with its seven-inch colour display in HD quality offers all the basic functions of a radio and entertainment system for a pleasant working day. Besides reception of the usual radio stations, the radio is also able to play back the music stored on an inserted SD card.

CUSTOMER BENEFITS

- High-quality seven-inch colour display with brilliant HD resolution
- Intuitive operation and menu navigation

- MAN loudspeaker system 0P2MF
- No navigation map 0P2N2

Bodies/interfaces

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

- 2-line semitrailer brake connection, behind cab, spiral cable with standard coupling 0P1O2
- Trailer socket behind cab, 24 V, 15-pin 0P1P9
- Spiral cable to semitrailer, electr., one unit, for trailer socket behind cab, 24-V, 15-pin to 15-pin 0P8NY
- Spiral cable to semitrailer, electric, for trailer socket ABS, behind cab 0P8O1
- Fifth-wheel pick-up plate installation height, 40 mm (up to max. 36,000 kg fifth-wheel coupling load) 0P6ZZ
- JOST JSK 38 C 3.5" fifth-wheel coupling 0P1RP



- Kingpin, 3.5" diameter 0P1RZ
- Manufacturer of fifth-wheel coupling: Jost 0PBY1
- Fifth-wheel coupling installation height, 190 mm 0P1PT
- Fifth-wheel coupling, manual lubrication 0P6XR
- Rubber joint bearing, fifth-wheel coupling 0PBY6
- Fifth-wheel coupling actuation, normal handle 0P1QI
- Fifth-wheel lead, 1,125 mm 0P5AY

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

- Without trailer/towing coupling on final cross member 0P1NQ
- Preparation for trailer coupling on final cross member 0P1SQ
- Without trailer brake connection at end of frame, centre 0P1O0
- Without trailer socket at frame end 0P1OW
- Trailer socket for anti-lock braking system (ABS), behind cab 0P1O5

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

- Interface for data exch. with body (customer-specific control module) and engine intermediate speed control (ZDR), front area of cab 0P2NA

PTOs

<input type="checkbox"/>	Without fan wheel for PTO, gearbox-dependent	0P4VR
<input type="checkbox"/>	Preparation, electr., for subsequent installation of a shifttable PTO, gearbox-dependent	0P4OI
	The preparation enables the electrical connections of an engageable PTO on the gearbox to be established retrospectively.	
	It includes the wiring from the cab (instrument panel) to the gearbox.	
	CUSTOMER BENEFITS	
	▪ Ex-works equipment saves installation of time- and cost-intensive retrofit solutions	
<input type="checkbox"/>	Sector-specific parameterisation, general	0P4X0

Towing, recovery and lashing

<input type="checkbox"/>	Central coupling jaw, integrated in bumper/front cross member, with lock pin	0P1MK
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Paintworks

Paintwork, cab, top

<input type="checkbox"/>	Top coating, cab	0P6YB
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Paintwork, cab, bottom

<input type="checkbox"/>	Textured coating, step units	0P6X9
<input type="checkbox"/>	Textured coating, mudguard, behind cab	0P6YG
<input type="checkbox"/>	Textured coating, bumper, steel	0P6YQ

Paintwork, chassis

<input type="checkbox"/>	Top coating, chassis	0P6YC
<input type="checkbox"/>	Top coating, rims, steel, white-aluminium	0P6YL

Colour

<input type="checkbox"/>	Top coating, chassis	GRAPHITE BLACK RAL 9011	W
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Technical data: TGS 40.480 6x4 BB SA / L34JAA02

Vehicle type: Vehicle type Semitrailer tractor (SA)
 Cab: Local transport cab NN
 Drive Type: 6x4

Lengths		mm
TD071	Total length	7493.0
TD063	Front vehicle overhang	1493.0
TD057	Wheelbase between front axles	0
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	700.0
TD072	Distance from first front axle to body	465.0
TD067	Distance to kingpin from front axle, nominal position	4175.0
TD074	Slew radius, front	3210.0
TD075	Slew radius, rear	2212.0
TD068	Coupling length	-

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	3432.0
TD082	Total transport height, unladen	3432.0
TD034	Maximum external height, laden	3334.0
TD035	Frame height at theoretical rear wheelbase, unladen	1269.0
TD036	Frame height at theoretical rear wheelbase, laden	1186.0
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	1583.0
TD052	Height of fifth-wheel coupling above ground, laden	1500.0

Circle dimensions		m
TD055	Track circle diameter	18.0
TD056	Wall-to-wall turning circle diameter	19.7

Weights/loads		kg
TD026	Chassis weight with cab	10291.0
TD027	Chassis weight, front	---
TD028	Chassis weight, rear	---
TD029	Payload	---

TD018	Statorily permissible gross vehicle weight	39000
TD025	Technically permissible gross vehicle weight	40000
TD031	Statorily permissible gross train weight	44000
TD032	Statorily permissible trailer load	0