



Basic data

Basic vehicle: TGS 41.400 8x4 BB CH

Weights

Gross weight:	44000 / 44000 / 44000
1. Front axle:	9000 / 9000 / 9000
2. Front axle:	9000 / 9000 / 9000
3. Front axle:	0 / 0 / 0
Leading axle:	0 / 0 / 0
1. Rear axle:	13000 / 13000 / 13000
2. Rear axle:	13000 / 13000 / 13000
Trailing axle:	0 / 0 / 0
Hide no-codes:	Yes

Add/remove	Code	Description
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Current scope of delivery

Vehicle characteristics

Basic characteristics

OP1 Z7	TG3
OP3M3	MAN
OP3MA	Trucks
OP3M8	NHMR
OP2U9	Chassis
OP2UC	Chassis class, heavy
OP3FQ	Destination: Algeria (DZ)
OP8LN	Merchant tonnage 41 t
OPLSI	Basic layout, standard vehicle
OPLSC	Application area, on road extreme (R3)
OP2TQ	Frame type, medium-high
OP2UT	Vehicle type Truck mixer (TM)
OP3AS	Left-hand-drive
OP3F5	Right-hand traffic
OP2LA	Vehicle documentation in French
OP8NN	Labelling in French
OT0CB	Type truck 39E
OP6C0	D20R6_EURO2_L
OP6US	TM_NN_3205_1250
OPGDK	NN_S

Add/remove Code Description

OPHBE Cab position 640 mm (distance from frame lower edge to cab floor)

Registration

OP3JS Vehicle approval, N3G class

OP2UJ Maximum speed limiter, 89 km/h, tolerance +1 km/h, electronic, engine speed regulation

OP1 NC Maximum vehicle noise level, 80 dB in acc. with UN/ECE-R 51.02

OPHA1 Height over cab, unloaded up to 4,000 mm

OPHDB Swing out of vehicle rear up to 800 mm/1,000 mm with raised or steered last axle

OPKAW Vehicle classification in accordance with regulation (EU) 2018/858

Documents

OP2U4 CEMT certification

OP3B0 Without registration documentation, national

OP3CK Special confirmation, heavy load / municipal operation

Application scope / transport tasks

OP6WK Concrete

OP2R4 103 Truck mixer

OPHI B Temperature range, vehicle deployment, warm country

OP4F0 Case hardness of final drive Distribution

Lines, editions and packages

OPVBQ Without Efficient Drive

OPJTA Basic paintwork

OPJT1 Without Individual Lion package

Horizontal and vertical loads

OP8EW 44,000 kg permitted gross load, vertical, nat. appr.

OP5U4 44,000 kg permitted gross load, vertical, tech.

OP8I T 44,000 kg permitted gross load, vertical, tech. Plus

OP5KX 9,000 kg permitted load on front axle, nat. appr.

OP5LR 9,000 kg permitted load on front axle, tech.

OP8EA 9,000 kg permitted load on front axle, tech. Plus

OP5F4 9,000 kg permitted load on 2nd front axle NatZu

OP5NP 9,000 kg permitted load on 2nd front axle, tech.

OP7T2 9,000 kg permitted load on 2nd front axle, tech. Plus

OP7P0 9000/9000kg load variant, vertical, front axles, national registration, T1=18000

OP7QZ 9000/9000kg load variant, vertical, front axles, tech., T1=18000

OP7S3 9000/9000kg load variant, vertical, front axles, tech. plus, T1=18000

OP5HC 13,000 kg permitted load on rear axle NatZu

OP5I 0 13,000 kg permitted load on rear axle, tech.

OP8BY 13,000 kg permitted load on rear axle, tech. Plus

Add/remove	Code	Description
	OP5FM	13,000 kg permitted load on 2nd rear axle NatZu
	OP5M9	13,000 kg permitted load on 2nd rear axle, tech.
	OP7TJ	13,000 kg permitted load on 2nd rear axle, tech. Plus
	OP7EM	0/13000/13000/0kg load variant, vertical, rear axles, national registration, T2=26000
	OP7I H	0/13000/13000/0kg load variant, vertical, rear axles, tech., T2=26000
	OP7NW	0/13000/13000/0kg load variant, vertical, rear axles, tech. plus, T2=26000
	OP7UM	18000kg permissible load on axle group T1, national registration
	OP7VU	18000kg permissible load on axle group T1, tech.
	OP7W6	18000kg permissible load on axle group T1, tech. plus
	OP7YX	26000kg permissible load on axle group T2, national registration
	OP7ZE	26000kg permissible load on axle group T2, tech.
	OP7Z7	26000kg permissible load on axle group T2, tech. plus
	OPFYQ	Load key, vertical, 201
	OP8XD	0kN D value
	OP9E1	0/0kg load variant, horizontal, assign., national registration
	OPAPJ	0/0kg load variant, horizontal, assign., tech. hom.
	OP9TI	0/0kg load var., hor., assign., tech. plus, D-value=0kN, without gradeability restrictions
	OP9B9	Load key, horizontal, 063
Notification texts		
	OPFZP	Note: With increased permissible gross weight, increase in wear of driveline and reduced service life
	OPJRV	Without note (propshaft wear)
Scopes for adaptation for military use		
Chassis		
Vehicle frame (wheelbase, overhang, ...)		
	OP2Z2	Main wheelbase, 3,205 mm
	OP3C1	Wheelbase between front axles, 1,795 mm
	OP3BX	Wheelbase between rear axles, 1,400 mm
	OP3CY	Frame overhang, rear, 1,250 mm
	OPOY7	Main frame side member thickness, 9.5 mm
	OPOXT	Vehicle rear, straight end of frame
Exhaust system, air intake		
	OP1BH	Exhaust silencer, side, right
	OP1BT	Exhaust tailpipe, towards middle of frame
	OPOAY	Air intake, behind cab, raised
	OPOBA	Pre-separator for engine air intake
Battery cases, batteries, alternator		
	OPGB1	2 batteries, 12 V, 180 Ah, long-life (EFB), maintenance free

Add/remove	Code	Description
	OP1BW	Three-phase alternator 28 V, 120 A, 3,360 W, Longlife Eco
	OP0WU	Medium battery box, 2 batteries
	OP0W0	Battery box, left
	OP0WF	Main battery switch, mechanical
	OP1V1	Fuses
	Tanks and fuel line	
	OP4ED	Fuel tank capacity 400 l, right
	OP4GN	Fuel tank, right, steel
	OP4HE	Tank cross-section, right, medium
	OP4H5	Fuel tank cap, lockable for master key system
	OP1EM	Filter screen for fuel tank filler neck
	OP1 W9	Fuel pre-filter position on the battery box
	Frame attachments	
	OP1FM	Without underride protection, front
	OP0VH	Without working platform
	OP1FG	Without underride protection, side
	OP1GR	Spare wheel, provisionally mounted
	OP1SB	Final cross member, with hole pattern 160 x 100 mm
	OP1FD	Underride protection, rear, round
	OP6WX	Wheel chock, two units, without retaining device, delivered loose
	OP0X9	Thrust plates (e.g. for truck mixers)
	Pneumatic brakes, compressed-air generation, brake system	
	OP0AF	Air compressor, 1-cylinder, 360 ccm
	OP0B2	Air dryer, heated
	OP0AA	Compressed-air treatment, electronically controlled
	OP0XH	Steel compressed-air tank
	OP0BL	Electronic brake system (EBS)
	OP0BE	Anti-lock braking system (ABS)
	OP0CM	Full brake assistant
	OPHPM	Without preparation for EBS Full control unit
	OP0BW	MAN EVBec high-performance engine brake, stages possible
	OP11 9	Disc brakes on front axle
	OP11 I	Disc brakes on 2nd front axle
	OP11 5	Drum brakes on rear axle
	OP11 F	Drum brakes on 2nd rear axle
	OP3KH	Parking brake control, next to driver's seat
	OPGBL	Parking brake with spring-type actuator on rear axles (incl. leading axle/ trailing axle)

Add/remove	Code	Description
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	OP0C1	Parking brake, on front axle(s), pneumatic, additional, exhaustible
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Lights and acoustic signals on the chassis (rear lights, ...)

	OP2AQ	Rear lights
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	OP6XS	Protective cover for rear lights
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	OP0CG	Emergency braking signal, hazard light activation, automatic
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	OP3CG	Without reversing warning system
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	OP2AD	Light function test
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	OP2BJ	Side marker lights, LED
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Driveline/running gear

Engine, radiator

	OP6BR	Diesel engine MAN D2066 LF06, 294 kW (400 hp) output, 1,900 Nm torque, Euro 2
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	OPHI F	Fuel filter, heated, for fuels up to Cleanliness Class 21
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	OP4XP	Fuel pre-filter, with oil separator/water trap, with water sensor, heated
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	OP0G5	Without torque reduction
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	OP8PN	Ventilation, crankcase, open
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	OP2E7	Anti-noise skirt, engine
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	OP1YE	Reduction of dust swirl through radiator fan
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	OP4XX	Engine cooler, normal length
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	OP1XE	Radiator protection, lower
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	OP1VP	Front radiator protection, grille
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	OP0B6	Engine oil dipstick and digital oil level gauge
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	OP0KA	Warning message for engine coolant level, with advance warning
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	OP0AK	Antifreeze, down to -32 °C
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Gearbox, clutch

	OP5VL	Manually operated gearbox, MAN 16.25 OD
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	OPGCL	Gearbox for increased percentage of overrun during driving operation
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	OP3KL	Manual gearbox operation, single-H, group/split switch
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	OP0DW	Single-disc clutch, 430 mm, dry, reinforced (LongLife)
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	OPKZJ	Main propshaft, 30,000 Nm functional limit torque
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	OPKZL	Propshafts with standard grease, cannot be lubricated
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	OP0E2	Driveline propshaft, reinforced
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	OPGCF	Propshaft, 2nd rear axle, reinforced
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	OP0FW	Gearbox heat exchanger
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Wheels, tyres

	OPFW2	Required tyre speed index J
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	OPEWJ	Front axle tyres optionally 385/65R22.5 Steering-Road+Offroad TL (160 K)
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	OP0P0	Rim type, front axle, steel, single-part
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Add/remove Code Description

OP0NB Rim size, front axle, 10-hole, 11.75x22.5

OP0PS Wheel nut caps, front axle

OPFHF Tyres, 2nd front axle, optionally 385/65R22.5 steering, S+G TL (160 K)

OP0PF Rim type, 2nd front axle, steel, 1-part

OP00A Rim size, 2nd front axle, 10-hole, 11.75x22.5

OP0Q4 Wheel nut caps, 2nd front axle

OPDRX Rear axle tyres optionally 315/80R22.5 Drive-Road+Offroad TL (154/150 K)

OP000 Rim type, rear axle, steel, single-part

OP0MU Rim size, rear axle, 10-hole, 9.00x22.5

OPEA2 Tyres for 2nd rear axle optionally 315/80R22.5 Drive-Road+Offroad TL (154/150 K)

OP0PA Rim type, 2nd rear axle, steel, single-part

OP007 Rim size, 2nd rear axle, 10-hole, 9.00x22.5

OP0MF Spare wheel, in accordance with configuration for rear axle tyres

Axles

OP3BI 8x4

OP1JX Steering ratio, standard

OP1JV Steering oil tank with electrical measuring sensor

OP5EX Front axle, 9,200 kg, not driven, straight, steered, not liftable

OP1AT Mudguard, front axle

OP1XS Splash guard mat on mudguard, front axle, longer at bottom

OP4ZH 2nd front axle, 9,200 kg, not driven, straight, steered, not liftable

OP1B8 Mudguard, 2nd front axle, removable upper shell

OP1Y4 Splash guard mat on mudguard, 2nd front axle, longer at bottom

OPI Y1 Rear axle HPD-1382, 13,000 kg, planetary axle with drive-through, straight, not steered, not liftable

OP1HN Twin tyre on rear axle

OP1AQ Transfer mudguard, rear axle

OPI VD 2nd rear axle HP-1352, 13,000 kg, planetary axle without drive-through, straight, not steered, not liftable

OP1HW Twin tyre on 2nd rear axle

OP1B6 Transfer mudguard, 2nd rear axle

OP0D2 Axle ratio, i = 4.00

OP0DI Differential locks on driven rear axles

OP0DL Without differential locks, front axles

OP1K0 Emergency steering pump

OP1W5 Mudguard enlargement

Axle control system and suspension

OP2YB Suspension type for front axles and driven rear axles, leaf/leaf (BB)

OP1JF Leaf-spring suspension on front axle, parabolic, 4-leaf, steel

Add/remove	Code	Description
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	OP1JT	Leaf-spring suspension on 2nd front axle, parabolic, 4-leaf, steel
	OP1J2	Leaf-spring suspension on rear axle, parabolic, 5-leaf, steel
	OP1JL	Leaf-spring suspension on 2nd rear axle, parabolic, 5-leaf, steel
	OP5C4	Spring load-bearing capacity front axle 9,500 kg
	OP5DF	Spring load-bearing capacity of 2nd front axle, 9,500 kg
	OP5BV	Spring load-bearing capacity of rear axle, 13,000 kg
	OP5C7	Spring load-bearing capacity of 2nd rear axle, 13,000 kg
	OP1M4	Shock absorbers on front axle
	OP1ME	Shock absorbers on 2nd front axle
	OP1LQ	Shock absorbers on rear axle
	OP1M9	Shock absorbers on 2nd rear axle
	OP1LD	Stabiliser, front axle
	OP1LK	Stabiliser, 2nd front axle
	OP1LA	Stabiliser, rear axle
	OP1LH	Stabiliser, 2nd rear axle
	OP6ZR	Wishbone
	OPHN2	Without air suspension control, trailer/semitrailer

Cab

Cab and cab exterior

	OP2DL	Local transport cab NN
	OP1V8	Cab mount, Basic
	OP1V6	Cab tilt mechanism, manual
	OP1VY	No tilting roof/sliding roof
	OP1SG	Bumper, steel, 3 pieces
	OP1VE	Front step, integrated, with grab option
	OP1X0	Windscreen, composite safety glass, tinted
	OP1WK	Sunblind, in front of windscreen
	OP1WG	Wiper system for windscreen
	OP1UL	Wiper activation, manual
	OP1V0	Step unit, hinged
	OP1WR	Central locking, with remote control
	OP3JT	Vehicle key, 2 units
	OP1WV	No door extension
	OP2DQ	Door labelling, according to trade tonnage of vehicle
	OP1W0	Door windows, tinted
	OP1WM	Door window, safety glass
	OP1VD	Cab rear wall, no window

Add/remove	Code	Description
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Lights and acoustic signals on cab exterior (headlights, horn, ...)

OPKWR	H7 package Plus, front headlights, fog lights, cornering light
OP1ZN	Front headlights, H7
OP1ZT	Stone protection for front headlights, guard, wide mesh
OP2BP	Daytime driving lights, LED
OP2AH	Fog lights, H7
OP1YF	Cornering light, H7
OP1Z6	Turn signal lights, sides, bulb
OP2AC	Headlight beam regulator, manual
OP1ZF	Driving-light control, manual
OP2BS	Contour lights, LED, 2 units
OP1W1	Horn, two-tone, electrical
OP2BD	Revolving beacons, LED, yellow (individual LEDs light up in cascades, revolving)
OP2B3	2 revolving beacons on cab roof, 1 right and 1 left
OPJRO	Without revolving beacons at the rear of the vehicle

Mirrors and mirror replacements

OPKWY	Mirror package, exterior rear-view mirror, manually adjustable, front mirror, kerb mirror, right
OP2CC	Exterior rear-view mirror, mechanically adjustable
OP2CH	Kerb mirror, right, mechanically adjustable
OP2CJ	Front mirror, mechanical adjustment
OP2CP	Mirror housing, not painted
OP2CT	Vehicle components, suitable for body width larger than 2,400 mm to 2,600 mm

Seats

OP2PQ	Seat covers, fabric, standard
OPKXF	Plus driver's seat package, air-sprung
OP2P2	Comfort driver's seat, air-sprung
OP20E	Driver's seat arm rests
OPKTZ	Basic co-driver's seat package, unsprung, with storage box
OP200	Co-driver's seat, not sprung, with storage box
OP2Q6	Storage space, in seat bracket of co-driver's seat
OP8L1	Indicator, seat belt, 1st row of seats, acoustic and visual

Driver's workplace

OP2GD	Multi-function steering wheel, adjustable height and angle
OP2GE	Steering wheel, with parking position
OP3K0	Steering lock, with electronic immobiliser
OP3L2	Professional instrumentation, 12.3"
OP2KW	Analogue tachograph, CONTINENTAL

Add/remove	Code	Description
	OP2KG	Tachograph, calibrated
	OPGT7	Stowage compartment, open with two USB sockets, 5 V, charging only, to the right of climate control panel
	OP2F0	Plug-in ashtray, instrument panel in middle section, 1 unit
	OP2I H	Cigarette lighter
	OPGB5	Control panel MAN EasyControl Engine, 2 functions, operable from outside with door open
	OP2NK	Preparation for radio with CB radio antenna on cab roof
	OP2FJ	Single DIN slots, 4 units, roof space, front
	OPJRS	Without storage tray next to seat
Cab air-conditioning system		
	OP2NU	Air-conditioning system, manual
	OP2NX	Ventilation, cannot be disabled, permanent and slight excess pressure in cab (reduces dust penetration)
	OP207	Pre-separator (cyclone filter) for interior air intake
Bunk area		
	OPKFY	Without bunk area
Cab interior		
	OPKFZ	Dark Moon Grey with silver colour scheme for cab interior
	OPGBT	Interior styling analogous to colour scheme
	OPKPN	Basic driver's workplace package
	OP2FE	Windscreen roller blind, internal
	OPKMY	Interior light, reading light (driver's side)
	OPHA6	Interior light, central
	OP2I Q	Reading light, 1 unit, driver's side
	OP2I O	Entry lighting
	OPHPK	Entry handles, standard
	OP2I A	Door interior cladding, washable
	OPKWA	Without additional storage and stowage space
	OP2F2	Storage box, cab rear wall, 2 units, behind driver's and co-driver's sides
	OP2HK	Storage, instrument panel in middle section, open
	OP2G2	Grab handle, above door, internal, 2 units, 1 right and 1 left
Accessories and tools		
	OPKXC	Accessories and tools
	OP2TX	Vehicle toolkit
	OP3F3	First aid kit
	OP3FI	Warning triangle, 1 units
	OP3CI	Window cleaning set
	OP3F9	Jack, 25,000 kg

Intelligent Truck

Add/remove	Code	Description
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Assistance systems

	OP1T2	Anti-slip control (ASR)
	OP1TR	Tempomat (cruise control, CC)
	OPOC3	Road speed limiter, adjustable, limiter (engine speed regulation)
	OP1U5	Without advanced emergency braking system
	OP1TT	Lane Guard System (LGS)
	OPHN5	Without driving fitness detection system
	OPHNA	Without Front Detection
	OPHNE	Without traffic sign recognition
	OPHNV	Without Reversing Motion System
	OPKA0	Without distance warning system
	OPLB5	Without MAN SafeStop Assist

Infotainment (radio,...)

	OP2M1	MMT infotainment system, Starter Basic
	OP2MF	MAN loudspeaker system
	OP2N2	No navigation map

Bodies/interfaces

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

	OP103	Without trailer brake connection behind cab
	OP1RJ	No fifth-wheel coupling
	OPHN7	Without sensing of the fifth-wheel coupling

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

	OP1MZ	Towing coupling at final cross member, ROCKINGER SK5
	OP1SH	Towing coupling on final cross member
	OP100	Without trailer brake connection at end of frame, centre
	OP10W	Without trailer socket at frame end
	OP109	Without trailer socket for anti-lock brake system (ABS)

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

	OP0XE	Compressed-air connection for body supply
	OP0K8	Preparation for engine start/stop facility, under front panel
	OP1 XU	Interface for digital data exchange (Application Fit)
	OP2J3	Interface for vehicle data (FMS)
	OP1 NX	Electrical preparation for keypad, body control
	OPJBE	Interface for extended signal output (EIO)

Attachments and interfaces to attachments (e.g. silo compressor, front mounting

PTOs

	OP4N8	PTO, engine-dependent, non-shiftable
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Add/remove	Code	Description
	0P4W9	PTO, engine-dependent, flywheel, flange (6-hole, 100 mm), f=1.233, 870/950 Nm continuous/short
	0P40R	Flange connection on PTO, engine-dependent, 100 mm diameter (6-hole)
	0P4XF	Engine-dependent power take-off, continuous operation
	0P408	Double flange coupling for PTO, engine-dependent, elastic, supplied loose
	0P4QK	PTO, gearbox-dependent, type NH/4c, without flange, f=1.17/1.40, position approx. 4 o'clock
	0P4VK	PTO, gearbox-dependent, for short-time operation less than 60 min
	0P4X9	PTO, gearbox-dependent, shiftable
	0P4VR	Without fan wheel for PTO, gearbox-dependent
	0P4WP	Function parameters for PTO; gearbox-dependent, driving operation
	0P4X2	Sector-specific parameterisation for truck mixer (working speed control)
Towing, recovery and lashing		
	0P1MK	Central coupling jaw, integrated in bumper/front cross member, with lock pin
Paintworks		
Paintwork, cab, top		
	0P6YB	Top coating, cab
Paintwork, cab, bottom		
	0P6X9	Textured coating, step units
	0P6YG	Textured coating, mudguard, behind cab
	0P6YQ	Textured coating, bumper, steel
Paintwork, chassis		
	0PJTK	Without additional top coating on chassis
	0P6YL	Top coating, rims, steel, white-aluminium
Paintwork, body		
Wheel		
Front axle		
		Front axle tyres optionally 385/65R22.5 Steering-Road+Offroad TL (160 K) Rim type, front axle, steel, single-part Rim size, front axle, 10-hole, 11.75x22.5
Front axle 2		
		Tyres, 2nd front axle, optionally 385/65R22.5 steering, S+G TL (160 K) Rim type, 2nd front axle, steel, 1-part Rim size, 2nd front axle, 10-hole, 11.75x22.5
Rear axle		
		Rear axle tyres optionally 315/80R22.5 Drive-Road+Offroad TL (154/150 K) Rim type, rear axle, steel, single-part Rim size, rear axle, 10-hole, 9.00x22.5
Rear axle 2		
		Tyres for 2nd rear axle optionally 315/80R22.5 Drive-Road+Offroad TL (154/150 K) Rim type, 2nd rear axle, steel, single-part Rim size, 2nd rear axle, 10-hole, 9.00x22.5
Colour		
cab		
		PURE WHITE RAL 9010 - Normal