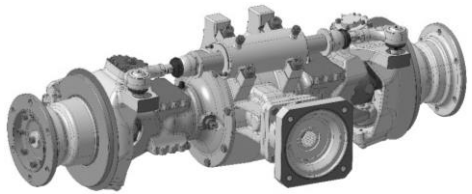
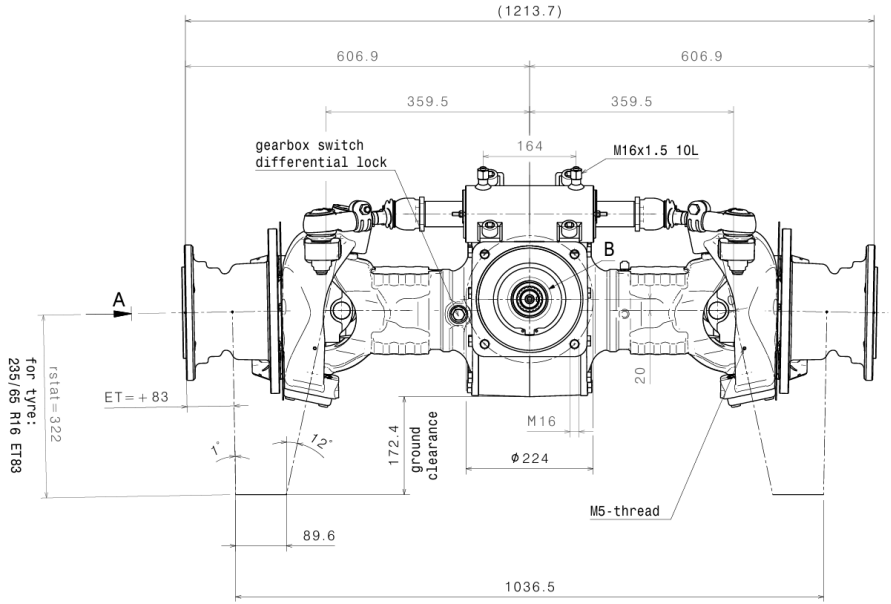
Steering drive axle for municipal vehicles 3,3t



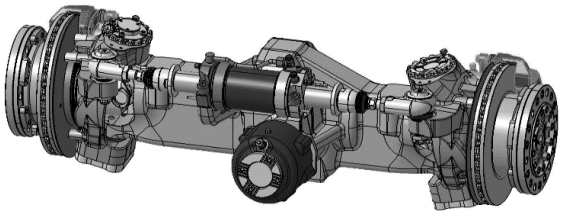
Steering drive axle for compact municipal vehicles
With a defined flange distance of 1,213.7 mm and a maximum permissible speed of up to 62 km/h, CLAAS Industrietechnik supplies a robust steering drive axle for municipal vehicles. The axle is equipped with a steering cylinder, hydraulic brake calipers and a multi-disc parking brake that is suitable for both hydrostatic travel drives and electric drives.

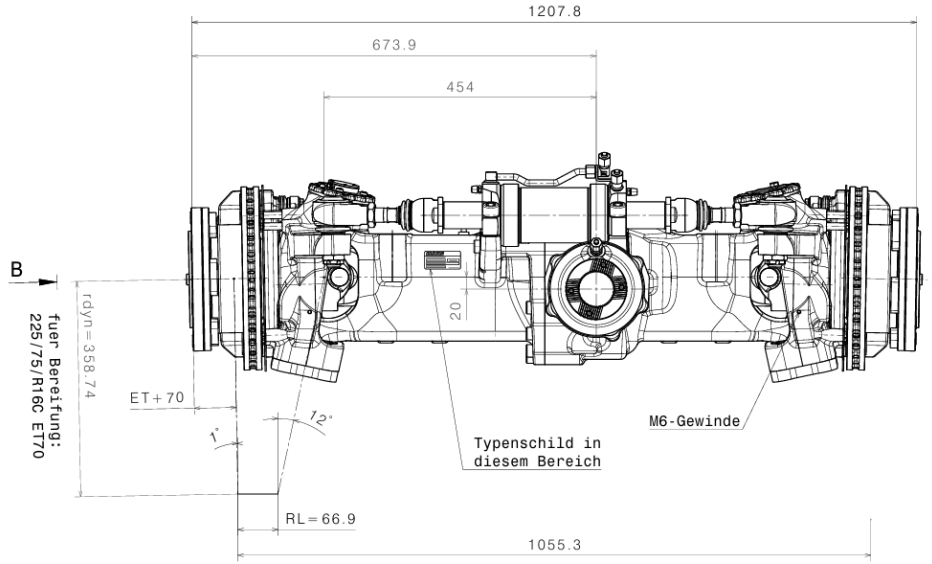


General axis parameters	
Weight	225 kg
max.permissible axle load	3.300 kg
Max. speed	62 km/h
Max. Steering angle	32,7°
Toe-in	0,5 mm
Fall	1°
Spread	12°
Caster	5°

Technical data	
Translation	i = 5,875
max. input torque	M_{ein} = 1.000 Nm
Translation VTG*KG	i_{VTG*KG} = 5,102
max. input speed	n_{ein} = 2.800 1/min
Wheel braking torque with $p_{b, max}$	M_{Rad} = 2.665 Nm
max. brake pressure	$p_{b, max}$ = 125 bar
max. steering pressure	$p_{l, max}$ = 150 bar
Oil quantity	V_{oil} = 4,4l (Shell Spirax MB90)

Steering drive axle for municipal vehicles 3,2t



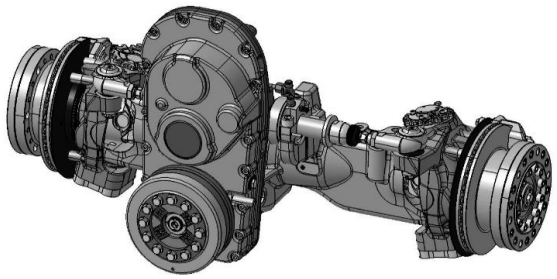


Steering drive axle for compact municipal vehicles
With a defined flange distance of 1,207.8 mm and a maximum permissible speed of up to 62 km/h, CLAAS Industrietechnik supplies a robust steering drive axle for municipal vehicles that can be engaged via a multi-plate clutch. The axle is equipped with a steering cylinder, steering angle sensor, internally ventilated brake discs, hydraulic brake calipers and a multi-disc clutch that allows the four-wheel drive to be engaged even while driving.

General axis parameters	
Weight	258 kg
max.permissible axle load	3.200 kg
Max. speed	62 km/h
Max. Steering angle	32,78°
Toe-in	2 mm
Fall	1°
Spread	12°
Caster	5°

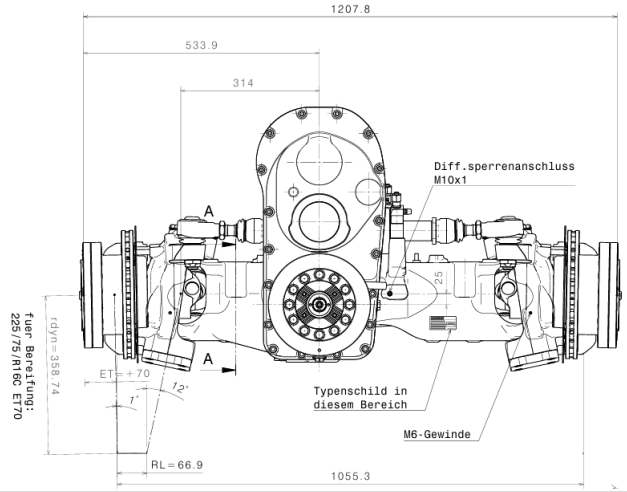
Technical data	
Translation	i = 4,778
max. input torque	M_{ein} = 1.500 Nm
max. input speed	n_{ein} = 3.900 1/min
Wheel braking torque with $p_{b, max}$	M_{Rad} = 5.265 Nm
max. brake pressure	$p_{b, max}$ = 125 bar
Oil quantity	V_{oil} = 1,9l (SYN FE 75W90)
max. coupling pressure until 15km/h	$p_{K, 15}$ = 24 bar
max. coupling pressure with 62 km/h	$p_{K, 62}$ = 13 bar
Steering system pressure	$p_{l, max}$ = 150 bar

Steering drive axle for municipal vehicles 3,2t



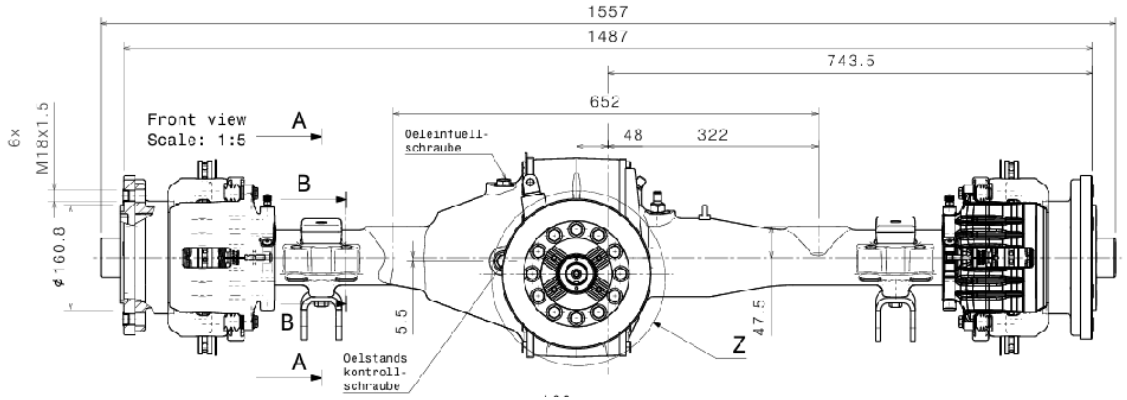
Steering drive axle for compact municipal vehicles
With a defined flange distance of 1,207.8 mm and a maximum permissible speed of up to 62 km/h, CLAAS Industrietechnik supplies a robust steering drive axle for municipal vehicles. The axle is equipped with a steering cylinder, steering angle sensor, internally ventilated brake discs, hydraulic brake calipers and a transfer case with optional creeper gear, which enables driving and working at very low travel speeds (e.g. snow blowers). Optionally, this steering drive axle is available with a differential lock.

General axis parameters	
Weight	325 kg
max.permissible axle load	3.200 kg
Max. speed	62 km/h
Max. Steering angle	35,54°
Toe-in	0,5 mm
Fall	1°
Spread	12°
Caster	5°



Technical data	
Translation	i = 2,273
max. input torque with i_{VTG}	M_{ein} = 610 Nm
Translation VTG*KG	i_{VTG*KG} = 5,102
max. input torque with i_{VTG*KG}	M_{ein} = 413 Nm
max. input speed	n_{ein} = 6.800 1/min
Translation HA	I_{HA} = 4,778
Wheel braking torque with $p_{b, max}$	M_{Rad} = 3.806 Nm
max. brake pressure	$p_{b, max}$ = 125 bar
Oel quantity	V_{oel} = 2,9 l HA + 0,9 l VTG (SYN FE 75W90)
Differential shift pressure	$p_{d, min}$ = 12 bar / $p_{d, max}$ = 30 bar
Steering system pressure	$p_{b, max}$ = 150 bar

Drive axle for municipal vehicles 3,8t



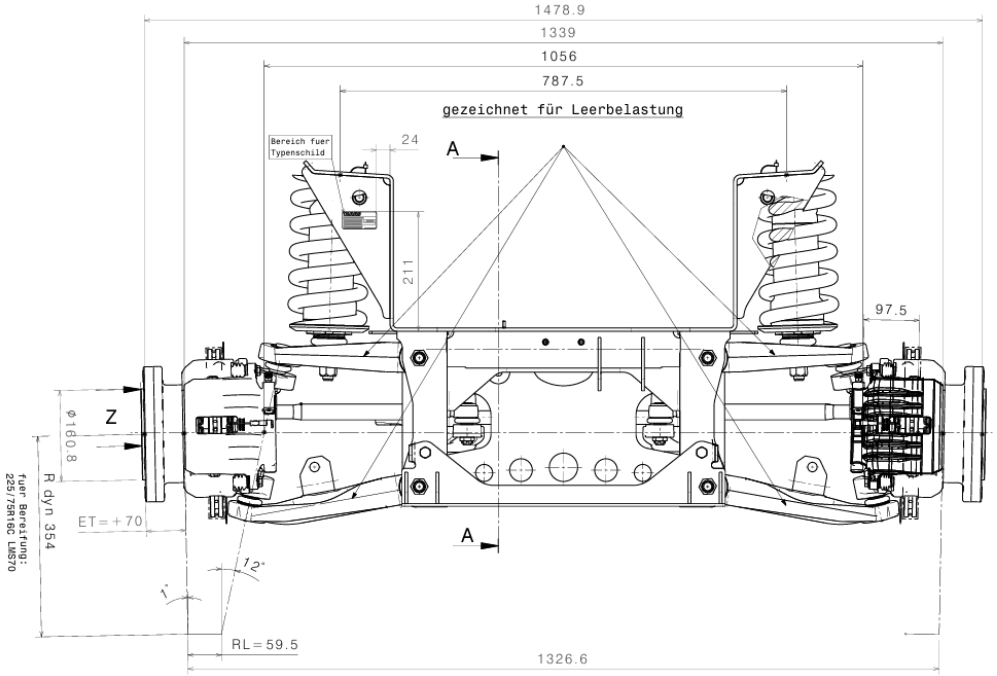
Drive axle for heavy municipal vehicles

With a defined flange distance of 1,487 mm and a maximum permissible speed of up to 110 km/h, CLAAS Industrietechnik supplies a robust drive axle for municipal vehicles. The axle is equipped with internally ventilated brake discs, hydraulic brake calipers, a holding brake (drum brake) and optionally with a differential lock.

General axis parameters	
Weight	188 kg
max.permissible axle load	3.800 kg
Max. speed	110 km/h

Technical data	
Translation	i = 5,875
max. input torque	M_{ein} = 2.000 Nm
max. input speed	n_{ein} = 5.200 1/min
Wheel braking torque	2.699 Nm with 100 bar
Oel quantity	arround 4,5 l (API-GL-5-90 MIL-L-2105 B)
Differential shift	p_{max} = 100 bar
Switch-on pressure	p = 20 bar

Steering and steering drive axle for municipal vehicles 2,7t



Steering or steering drive axle for heavy municipal vehicles
With a defined flange distance of 1,478.9 mm and a maximum permissible speed of up to 100 km/h, CLAAS Industrietechnik supplies a robust and extremely comfortable steering drive axle for municipal vehicles. The axle is equipped with internally ventilated brake discs, hydraulic brake calipers and with springs and dampers.

General axis parameters	
Weight	271 kg
max.permissible axle load	2.700 kg
Max. speed	100 km/h
Max. Steering angle	40°

Technical data	
Wheel braking torque	2.699 Nm with 100 bar
Permissible deflection of the axle	min. - 40 mm (according. 505,71 mm Shock length)
	max. + 60 mm (according. 450,53 mm Shock length)