

TRUCK APPLICATION GUIDELINES

HAS SERIES : Single Axle

	HAS 120	HAS 200	HAS 230	HAS 231
Suspension Capacity	5,000 kg	9,000 kg	10,000 kg	10,000 kg
GCM (Tractor)	16,000 kg	36,000 kg	40,000 kg	45,000 kg
Service : On / Off Highway	On	On	On / Off *	On / Off *
Suspension Weight	158 kg	200 kg	210 kg	218 kg
Engine Torque	542 Nm (400 lb.ft)	1,831 Nm (1,350 lb.ft)	1,966 Nm (1,450 lb.ft)	2,102 Nm (1,550 lb.ft)
Applications	<ul style="list-style-type: none"> ▪ Flat top ▪ Van 	<ul style="list-style-type: none"> ▪ Rigid ▪ Single Trailer 	<ul style="list-style-type: none"> ▪ Rigid ▪ Single Trailer ▪ On-highway B-Double 	<ul style="list-style-type: none"> ▪ Rigid ▪ Single Trailer ▪ On-highway B-Double



Notes: * Greater than 10% off-highway use requires Application Approval, e.g. Tipper, Agitator



TRUCK APPLICATION GUIDELINES

HAS SERIES : Tandem Axle

	HAS 400	HAS 460	HAS 461
Suspension Capacity	18,000 kg	18,000 kg	18,000 kg
GCM (Tractor)	68,000 kg	81,000 kg	90,500 kg
Service : On / Off Highway	On	On / Off *	On / Off *
Suspension Weight	400 kg	418 kg	435 kg
Engine Torque	2,237 Nm (1,650 lb.ft)	2,237 Nm (1,650 lb.ft *)	2,509 Nm (1,850 lb.ft)
Applications	<ul style="list-style-type: none"> ▪ Rigid ▪ Single Trailer ▪ B-Double tri-tandem 	<ul style="list-style-type: none"> ▪ Rigid ▪ Single Trailer ▪ B-Double ▪ Road Train Doubles ▪ High CoG & live load applications 	<ul style="list-style-type: none"> ▪ Rigid ▪ Single Trailer ▪ B-Double / Triple ▪ Road Train Doubles ▪ High CoG & live load applications



Notes: * Greater than 10% off-highway use requires Application Approval, e.g. Tipper, Agitator
 ♦ 1,750 lb.ft with high torque shock absorbers

