

VLT FREE ROLLER SETS (BOOGIE ROLLERS)

VLT offers two types of free roller sets, developed for intensive and heavy use in automobile Test Stations.

There are two models; the first one is a 8000 kg three rollers pair and the second one is a 16000 kg four rollers pair.

Both models have a hydraulic lifting system between the rollers and a roller Braking System for safe driving over the rollers when not in use, and for easy driving out of the rollers after use of the free rollers.

Free rollers are needed for testing speed on Speedometers for vehicles with double drive axles and can be used for older types of vehicles with double drive rear axles in combination with a transmission handbrake on the propeller shaft. On modern vehicles transmission handbrakes are no longer installed.

The VLT free roller sets from late 1996 have an aluminium coating on the rollers as corrosion protection. Again, VLT decided to use the more expensive hydraulic lifting and braking system instead of the more common pneumatic system because the hydraulic system is more powerful and more reliable.

Normally the VLT Speedometer and the VLT free roller set share the same hydraulic pump and are controlled by the VLT Speedometer controller.

Technical specifications:

ONE MODEL FOR STAND-ALONE AND/OR TEST LANE USE	VLT 8103	VLT 16104
Maximum testing speed standard	120 km/h	100 km/h
Maximum testing speed short time	140 km/h	120 km/h
Number of rollers each side	3	4
Roller dimensions	238 x 950 mm	238 x 1100 mm
Centre-to-centre rollers	290 mm	290 mm
Working length (driving direction)	580 mm	870 mm
Maximum testing weight (axle)	8000 kg	16000 kg
Maximum drive-over weight (axle)	10000 kg	20000 kg
Lifting / braking system rollers	hydraulic	hydraulic
Hydraulic supply	from speedometer pump	from speedometer pump
Roller set dimensions (2x) (w x l x d)	1280 x 1015 x 640 mm	1430 x 1255 x 640 mm
Approx. nett weight	1990 kg	2660 kg

HYDRAULIC PUMP OPTION (IF NOT IN COMBINATION WITH VLT SPEEDOMETER)

Hydraulic pump unit 400 Volt, 3 Ph	3.0 kW	3.0 kW
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