

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

RACK AND PINION GEAR

EDS-T-2617

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VERSION: 2

This standard contains test items and specifications required during development and mass production of the rack and pinion steering gear.

Summary of Test Specifications of Rack & Pinion Gear

Test item	EDS No.	Development	Initial approval	Inspection
1. FUNCTIONAL TESTS				
1.1. Efficiency	EDS T-2621	*		-
1.2. Ratio	EDS T-2622	*		-
1.3. Elasticity (Back lash)	EDS T-2619	*		-
1.4. Cold test	EDS T-2616	*		-
2. WEAR/FATIGUE TESTS				
2.1. Fatigue test	EDS T-2609	*		*
2.2. Dry running test	EDS T-2620	*		-
3. ABUSE TEST				
3.1. Tensile test (Vehicle)	EDS T-2615	*		-
3.2. Steering stop test (Bench)	EDS T-2614	*		*
4. COMPONENT TEST				
4.1. Rack impact test	EDS T-2614	*		*
4.2. Elastomer part (Chemical test)	EDS T-2614	*		*
4.3. Durability & sealing of bellows	EDS T-2623	*		*