

CHAPTER 4: STEERING SYSTEM

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CHAPTER 4. STEERING SYSTEM

4-1: SPECIFICATIONS AND STANDARDS FOR STEERING SYSTEM

	Subaru 360 Sedan	Subaru 360 Custom
Steering Type	Rack and Pinion	"
Minimum Turning Diameter	8 meter (26.2 ft)	"
Steering Angle (Inner)	36°	"
" " (Outer)	27°	"
Steering Handle Diameter	380mm (15.0in)	"
Steering Shaft Diameter	20mm (0.79in)	"
Rubber Coupling	6 x 5 ply	"
Pinion - No. of Tooth	Module 1.75 x 7	"
Tie-Rod Thread Dimensions	16Ø x 15P	"
Tie-Rod Adjustment Nut	21mm	"
Tie-Rod Adjustment Turnbuckle	17mm	"
Tie-Rod End Pole Stud Nut	14mm	"
Toe-In (Empty Load)	12-16mm (0.47-0.63 in)	"

General Data:

The steering gear box construction is of the rack and pinion type which is simple and at the same time providing sure action.

A back-lash adjustable type has been adopted for greater efficiency.

In addition, a turnbuckle has been incorporated in the tie-rod for making toe-in adjustments to a finer degree.

A turning diameter of 8 meters, unparalleled riding comfort, excellent maneuverability, amazing rough road stability - these are the outstanding features of the Subaru.