

KES

**HYPOID GEAR Chisel
Equipment Specification**

KES G – B207B

(EST.) 1979 – 05 – 01

(REV.) 1990 – 08 – 01

(REV.) 1991 – 05 – 01

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1. Scope of application

This standard shall be applied to the general specification and special specification on Hypoid Gear chisel equipment.

(But on the clauses beside this standard shall the equipment specification regulation (1989-09-08) made by the factory work at Asan be applied.

2. Purpose

The purpose shall be to maximize the efficiency of equipment and early secure the quality of product when conducting the new line by specifying the general and special specification which should be satisfied at the time of newly investing in chisel equipment of Hypoid Gear processing line.

3. General specification

3.1 Equipment capacity

3.1.1 Cycle Time

(1) Net processing time

It should be within 3.0 min a working stuff.

(2) Loading/unloading time

It should be within 0.5min including the sum of the time not dealing with a working stuff processed to completion and time to mount a working stuff to be processed.

(3) Time for type exchange

It should be within 5.0min including the sum of required exchange time and processing summary selection time.

3.1.2 Machine Efficiency

Machine efficiency should be more than 90%.

3.2 The guarantee of processing degree of equipment

With regard to the guarantee of processing degree of equipment the coefficient of process on the clauses enumerated on figure 1 should be more than 1.33 and the clauses beside the regulated clauses shown on the process drawing are required to have only to satisfy the standard.

Figure 1

Clauses	Revolving direction	Number of sample	Cp
Max. Profile Error	Right direction (C,W)	30 pieces	More than 1.33
	Reverse direction (C. C.W)	↑	↑
Avg. Profile Error	Right direction (C, W)	↑	↑
	Reverse direction (C. C,W)	↑	↑
Acc. Pitch Variation	Right direction (C, W)	↑	↑
	Reverse direction (C. C.W)	↑	↑

3.3 Utility (Urisity) supply standard

The supply standard of energy source of equipment (Electric power, compressed air, vapor, and industrial water) follows KES G-A001.

3.4 Coating the equipment (On the basis of Asan factory)

The coating color of equipment and other clauses beside those shown on figure 2 follows KES G-A001.

Figure 2

Division	Color
Equipment body	NA 6-8469 (5Y 8.5/1)
Outside control board	NA 6-4363 (5GY 8.5/4)
Inside control board	NA 6-3683 (N-9.5)