

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

STAINLESS STEEL BARS

EDS-M-1806

ISSUED DATE: 1994. 06. 27

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VERSION: 3

1. SCOPE

This standard specifies the stainless steel bars used by *GM DAEWOO Auto & Technology Company(hereinafter referred to as the "GMDAT")*.

2. MANUFACTURING METHOD

2.1. After hot rolling or forging, austenitic series shall undergo solution treatment an ferritic series shall be annealed. However, ferritic series may not be annealed as designated by the purchaser.

2.2. Bars manufactured by cold drawing, grinding, cutting or their combination shall not be heat treated, unless otherwise specified.

3. TYPE AND USE

Table 1. Type and Use

Type		Use	Applications
Austenitic series	SUS 304 B	Part requiring corrosion and heat resistance	SAFTY CLEVIS
Ferritic series	SUS 430 B	Part requiring corrosion resistance	
	SUS 430F B	Part requiring corrosion resistance and machinability	
	SUS 434 B	Part requiring corrosion resistance	WEATHERSTRIP-QTR, CNL

4. QUALITY

4.1. Chemical composition

Table 2. Chemical Composition

Unit: wt%

Type	C	Si	Mn	P	S	Ni	Cr	Mo
SUS 304	0.08 max.	1.00 max.	2.00 max.	0.045 max.	0.030 max.	8.00 10.50	18.00 20.00	--
SUS 430	0.12 max.	0.75 max.	1.00 max.	0.040 max.	0.030 max.	0.60 max.	16.00 18.00	--
SUS 430F	0.12 max.	1.00 max.	1.25 max.	0.060 max.	0.15 0.35	0.60 max.	16.00 18.00	0.60 max.
SUS 434	0.12 max.	1.00 max.	1.00 max.	0.040 max.	0.030 max.	0.60 max.	16.00 18.00	0.75 1.25

Remark: The above values are based on ladle analysis, and tolerance of product analysis shall conform to Table 4 in KS D 0228[Product Analysis and its Tolerance for Steel]