

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

STAINLESS STEEL WIRES

EDS-M-1807

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VERSION: 4

1. SCOPE

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

2. MANUFACTURING METHOD

The austenitic wires shall undergo solution treatment and the ferritic ones shall undergo annealing, both followed by a slight drawing.

3. TYPE AND USE(REFERENCE)

Table 1. Type and Use

Type		Use	Applications
Austenitic series	SUS 304 W	Wire parts requiring corrosion and heat resistance	BOWDEN CABLE A -ACCEL CONT
Ferritic series	SUS 430 W		

4. QUALITY

4.1. Chemical composition

Table 2. Chemical Composition

Unit : wt%

Type	C	Si	Mn	P	S	Ni	Cr
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

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

4.2. Mechanical property

Table 3. Tensile Strength

Unit: N/mm²

Type	Diameter of wire, d(mm)		
	$0.80 \leq d \leq 1.60$	$1.60 < d \leq 5.00$	$5.00 < d \leq 14.0$
SUS 304 W	780 1130	740 1080	740 1030
SUS 430 W	540 780	540 780	490 730