



## Alloy G-3

### 1. Brief introduction:

Inconel alloy G-3 is a Ni-Cr-Fe alloy with additions of Mo and Cu. It has good weldability and resistance to intergranular corrosion in welded condition. It is used for flue-gas scrubbers and handling phosphoric and sulfuric acids.

### 2. Main specifications:

Alloy	UNS	W.Nr
G-3	N06985	2.4619

### 3. Chemical composition under ASTM B581 standard:

1.

Grade	chemical composition,%												
	Ni	Cr	Mo	Cu	Fe	Co	Mn	C	Si	W	Nb+Ta	S	P
UNS N06985	remainder	21.0-23.5	6.0-8.0	1.5-2.5	18.0-21.0	≤5.0	≤1.0	≤0.015	≤1.0	≤1.5	≤0.5	≤0.03	≤0.04

Ni element shall be determined arithmetically by difference.

Remarks: If require adjustments for some chemical compositions, pls consult with us.

### 4. Main product types:

wire,rod,forging,bar,strip,sheet/plate,pipe/tube, fitting.



Shanghai Hite Special Alloy Co., Ltd.  
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#### 5. Main produce standards:

Wire,Rod, Bar,Forging	Plate/Sheet/Strip	Pipe/Tube	Fitting
ASTM/ASME B581	ASTM/ASME B582	ASTM/ASME B619 ASTM/ASME B622 ASTM/ASME B626	ASTM/ASME B366

#### 6. Alloy G3 Source URL:

<https://www.hitealloy.com/product/alloy-g-3.html>