



## 254SMO

### 1. Brief introduction:

254SMO is described as a 6% Mo super austenitic stainless steel.

254SMO is much more resistant than ASTM TP316, and in naturally aerated sulphuric acid containing chloride ions Sandvik 254 SMO exhibits higher resistance than 904L grade.

254SMO is used in Equipment for handling of seawater, Hydraulic and instrumentation tubing, Equipment in pulp bleaching plants, Components in gas cleaning systems, Tanks and pipelines for chemicals with high halide contents, etc.

### 2. Main specifications:

Outokumpu	UNS	EN No.	W.Nr
254SMO	S31254	1.4547	1.4529**

### 3. Chemical composition under ASTM A240 standard:

Chemical composition, %											
Grade	Ni	Cr	Mo	Mn	N	Cu	Si	C	P	S	Fe
UNS S31254	17.5-18.5	19.5-20.5	6.0-6.5	≤1.0	0.18-0.25	0.5-1.0	≤0.8	≤0.02	≤0.03	≤0.01	Bal.

### 4. Main product types:

wire, rod, bar, strip, sheet/plate, tube/pipe, flanges, etc.



**5. Main produce standards:**

Wire, rod, Bar, forging	Sheet/plate,Strip	pipe,flange,fitting,valve
EN 10088-3 ASTM A276 ASTM A479 ASTM A473	ASME SA240 ASTM A240 EN 10088-2	ASTM A269/A213/A312 NFA 49-217 EN 10216-5 ASTM A182

**6. 254SMO Source URL:**

<https://www.hitealloy.com/product/254smo-uns-s31254-f44.html>