

N02200 • 2.4066 • TPS-Techalloy 200 | N02201 • 2.4068 • TPS-Techalloy 201

ALLOY 200/201 is technically pure nickel with good mechanical properties and excellent resistance to corrosive media. Even when exposed to high temperatures, ALLOY 200/201 retains its strength and is ductile at low temperatures. ALLOY 200/201 is a multipurpose grade and is used in applications where alloys are not essential. It also has good magnetic and magnetostrictive properties, high thermal and electrical conductivity as well as low gas content in electronics industry. Furthermore ALLOY 200/201 is of interest for its good weldability.

Material grade	Norm	Chemical composition • mass in %									
		C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Sonst.
		max.	max.	max.	max.	max.	min. – max.	min. – max.	min. – max.		
2.4066	DIN 17740	0,100	0,25	0,35	-	0,005	-	99,20	-	0,100	Cu 0,25 max.; Fe 0,40 max.; Mg 0,15 max.
2.4068	DIN 17740	0,020	0,25	0,35	-	0,005	-	99,00	-	0,100	Cu 0,25 max.; Fe 0,40 max.; Mg 0,15 max.
2.4068	VD-TÜV WB 3 45	0,020	0,20	0,35	-	0,010	-	99,00	-	0,100	Cu 0,25 max.; Fe 0,40 max.; Mg 0,15 max.
N02200	ASME SB / AS TM B 161/163	0,150	0,35	0,35	-	0,010	-	99,00	-	0,100	Cu 0,25 max.; Fe 0,40 max.
N02201	ASME SB / AS TM B 161/163	0,020	0,35	0,35	-	0,010	-	99,00	-	0,100	Cu 0,25 max.; Fe 0,40 max.

Material grade	Norm	Mechanical properties and heat treatment					
		Rp 0,2 [MPa]	Rp 1,0 [MPa]	Rm [MPa]	A [%]	Härte	Wärmebehandlung
		min.	min.	min. – max.	min	HRB max.	
2.4066	DIN 17740	100	125	370	40	-	weichgeglüht
2.4068	DIN 17740	80	105	340	40	-	weichgeglüht
2.4068	VD-TÜV WB 3 45	80	105	340 - 540	40	-	weichgeglüht
N02200	ASME SB / AS TM B 161/163	105	-	380	35	-	geglüht
N02201	ASME SB / AS TM B 161/163	105	-	345	35	-	geglüht

Tolerances				
AD - Rohr	AD	WD	special WT	ID

ab Ø4,550 mm	±0,050 mm	±0,150 mm	±0,100 mm	X
ab Ø9,530 mm	±0,050 mm	±0,100 mm	±0,080 mm	±0,050 mm
ab Ø30,001 mm***	±0,100 mm	±0,150 mm		±0,050 mm

*** to max. Ø44,500 mm

- Tolerances acc. to DIN EN 10305-1 can be confirmed to OD 30mm
- Tolerances acc. to DIN EN ISO 1127 / DIN EN 10216-5 can be confirmed
- Tolerances acc. to ASTM can be confirmed generally

Abmessungsbereich*



Abmessungsspektrum

AD	WD	[mm]	0,89	1,00	1,20	1,24	1,65	1,82	2,00	2,11	2,30	2,35	2,50	2,60	2,64	2,77	2,87	3,00	3,20	3,25	3,60	3,85	3,91	4,00	4,40	5,50	6,35	7,00
[mm]	[inch]	[inch]	0,035			0,048	0,065	0,072		0,083		0,093			0,104	0,109	0,113		0,126	0,128			0,154				0,250	
6,00																												
6,35	0,250																											
7,00																												
7,50																												
8,00																												
9,00																												
9,53	0,375																											
10,00																												
11,00																												
12,70	0,500																											
13,00																												
15,00																												
15,88	0,625																											
16,00																												
16,80																												
17,15	0,675																											
18,00																												
19,00																												
19,05	0,750																											
20,00																												
21,34	0,840																											
22,00																												
22,23	0,875																											
23,00																												
25,00																												
25,40	1,000																											
26,00																												
26,67	1,050																											
28,00																												
30,00																												
31,75	1,250																											
32,00																												
33,40	1,315																											
36,00																												
38,10	1,500																											
42,00																												
44,50	1,750																											

