

N06455 • 2.4610

Hastelloy C-4 (Alloy C-4) shows excellent stability against intergranular corrosion, pitting corrosion and stress corrosion as well as reductive mineral acids and chlorides, inorganic and organic chloride-contaminated media. Material 2.4610 (Alloy C-4) is mainly used in inorganic chemistry, fertilizer industry, and with acetic acid.

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.		
2.4610	N06455	0,150	0,08	1,00	0,025	0,015	14,00 - 18,00	0,00	14,00 - 17,00	0,70	Fe 3,0 max.; Co 2,0 max.; Cu 0,50 max.
2.4610	VD-TÜV WB 4 24	0,009	0,05	1,00	0,020	0,010	14,50 - 17,50	0,00	14,50 - 17,50	0,70	Fe 3,0 max.; Co 2,0 max.
N06455	ASME SB / AS TM B 622	0,015	0,08	1,00	0,040	0,030	14,00 - 18,00	0,00	14,00 - 17,00	0,70	Fe 3,0 max.; Co 2,0 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.	
2.4610	N06455	275	295	690	40	100	lösungsgeglüht
2.4610	VD-TÜV WB 4 24	280	315	700 - 900	40	-	lösungsgeglüht
N06455	ASME SB / AS TM B 622	276	-	690	40	-	lösungsgeglüht

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

	WD	[mm]	1,20	1,24	1,40	1,50	1,65	1,82	2,00	2,11	2,20	2,30	2,35	2,41	2,50	2,64	2,77	2,80	2,87	3,00	3,20	3,25	3,35	3,50	3,60	3,85	3,91	4,00	
AD	[inch]		0,048			0,065	0,072		0,083			0,093	0,095		0,104	0,109		0,113		0,126	0,128						0,154		
[mm]	[inch]																												
10,00																													
11,00																													
12,00																													
12,70	0,500																												
13,00																													
13,50																													
14,00																													
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																												
21,40																													
22,00																													
22,23	0,875																												
23,00																													
24,30																													
25,00																													
25,20																													
25,40	1,000																												
26,00																													
26,67	1,050																												
28,00																													
30,00																													
31,75	1,250																												
32,00																													
33,40	1,315																												
35,00																													
36,00																													
38,00																													
38,10	1,500																												

