

## N06625 • 2.4856 • TPS-Techalloy 625

ALLOY 625 is a high nickel-chromium-Molybdenum-columbium alloy. This tubing is used for offshore technology, chemical industry, production of phosphate acid, flue gas desulphurating plants, waste incineration plants. It is sea water resistant.

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.		
2.4856	DIN 17744	0,100	0,50	0,50	0,020	0,015	20,00 - 23,00	58,00	8,00 - 10,00	0,400	Co 1,0 max.; Fe 5,0 max.; Al 0,4 max.
2.4856	VD-TÜV WB 4 99	0,030	0,40	0,50	0,010	0,010	21,00 - 23,00	0,00	8,00 - 10,00	0,400	Co 1,0 max.; Fe 5,0 max.; Al 0,4 max.; Cb + Ta 3,20 – 3,80
N06625	ASME SB / AS TM B 444	0,100	0,50	0,50	0,015	0,015	20,00 - 23,00	58,00	8,00 - 10,00	0,400	Co 1,0 max.; Fe 5,0 max.; Al 0,4 max.; Cb+Ta 3,15 – 4,15

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.	
2.4856	DIN 17744	415	445	830	30	-	weichgeglüht
2.4856	VD-TÜV WB 4 99	400	-	830 - 1000	35	-	weichgeglüht
N06625	ASME SB / AS TM B 444	414	-	827	30	-	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

	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																												

