



BUHLMANN
TUBE SOLUTIONS

**Stocklist – Seamless /
Welded Stainless Steel Tubes and Pipes**
Vorratsliste – Nahtlose /
Geschweißte Edelstahlrohre

we know how

Power | Chemical | Engineering | Shipyards | Oil & Gas | Projects



BUHLMANN
TUBE SOLUTIONS

we know how

Seamless / Welded Stainless Steel Tubes and Pipes
Nahtlose / Geschweißte Edelstahlrohre

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Technical Delivery Conditions, Seamless
Technische Lieferbedingungen, nahtlos

Seamless stainless steel tubes and pipes
technical delivery conditions according to

DIN 17458 class 1 / 2 - AD-W2 / AD-W10 / AD 2000 W2 / W 10
according PED 97 / 23-GG
Grades 1.4301, 1.4306, 1.4541, 1.4571, 1.4401, 1.4404

ASTM A / ASME SA 312 / 269
Grades TP304/304L, TP321/321H, TP316/316L

NACE MR 0175 / NFA 49117
Grades Z2CN18.10, Z8CNT18.10, Z2CND17.12

Nahtlose Edelstahlrohre
technische Lieferbedingungen gemäß

DIN 17458 PK1 / PK2 - AD-W2 / AD-W10 / AD 2000 W2 / W 10
gemäß PED 97 / 23-GG
W-Nr. 1.4301, 1.4306, 1.4541, 1.4571, 1.4401, 1.4404

ASTM A / ASME SA 312 / 269
W-Nr. TP304/304L, TP321/321H, TP316/316L

NACE MR 0175 / NFA 49117
W-Nr. Z2CN18.10, Z8CNT18.10, Z2CND17.12

Tolerances

Toleranzen

	OD / AD
EN ISO 1127	D1 +/-1,5 %, mind. +/-0,75 mm
	D2 +/-1 %, mind. +/-0,50 mm
	D3 +/-0,75%, mind. +/-0,30 mm
	D4 +/-0,5 %, mind. +/-0,10 mm
ASTM A 999	< 48,26 mm +0,40/-0,79 mm
	> 48,26 < 114,3 mm +0,79/-0,79 mm
	> 114,3 < 219,1 mm +1,59/-0,79 mm

Wall / Wand
T1 +/- 15 %, mind. +/-0,60 mm
T2 +/- 12,5%, mind. +/-0,40 mm
T3 +/- 10 %, mind. +/-0,20 mm
T4 +/- 7,5 %, mind. +/-0,15 mm

not specified / nicht spezifiziert +% / -12,5%

we know how

Seamless Stainless Steel Tubes and Pipes
Nahtlose Edelstahlrohre

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
6,00 x 1,00		0,125	●	●	●	●	●
6,00 x 1,50		0,169	●	●	●	●	
6,35 x 0,89		0,122	●	●			●
6,35 x 1,24		0,159	●	●			●
8,00 x 1,00		0,175	●	●	●	●	●
8,00 x 1,50		0,244	●	●	●	●	●
8,00 x 2,00		0,300			●	●	
9,00 x 1,00		0,200			●	●	
9,53 x 0,91		0,196	●	●			●
9,53 x 1,22		0,254	●	●			●
10,00 x 1,00		0,225	●	●	●	●	●
10,00 x 1,50		0,319	●	●	●	●	●
10,00 x 2,00		0,401	●	●	●	●	●
10,00 x 2,50		0,470			●	●	
10,20 x 1,60		0,345			●		
11,00 x 2,00		0,451			●	●	
12,00 x 1,00		0,275	●	●	●	●	●
12,00 x 1,50		0,394	●	●	●	●	●
12,00 x 2,00		0,501	●	●	●	●	●
12,00 x 2,50		0,595			●	●	
12,00 x 3,00		0,676			●	●	
12,70 x 0,91		0,269	●	●			●
12,70 x 1,24		0,356	●	●			●
12,70 x 1,65		0,457	●	●			●
13,00 x 1,50		0,432			●	●	
13,50 x 1,60		0,477			●		
13,50 x 2,00		0,576				●	
13,50 x 2,30		0,645			●	●	
13,50 x 2,60		0,710			●	●	
13,50 x 2,90		0,770			●	●	
13,72 x 1,65	1/4" SCH 10 S	0,499	●	●			●
13,72 x 2,24	1/4" SCH 40 S	0,644	●	●			●
13,72 x 3,02	1/4" SCH 80 S	0,809	●	●			●

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
14,00 x 1,00		0,326	●	●	●	●	
14,00 x 1,50		0,470	●	●	●	●	
14,00 x 2,00		0,601	●	●	●	●	
14,00 x 2,50		0,720			●	●	
14,00 x 3,00		0,826			●	●	
15,00 x 1,00		0,351	●	●	●	●	
15,00 x 1,50		0,507	●	●	●	●	●
15,00 x 2,00		0,651			●	●	
16,00 x 1,00		0,376	●	●	●	●	●
16,00 x 1,50		0,545	●	●	●	●	●
16,00 x 2,00		0,701	●	●	●	●	●
16,00 x 2,50		0,845			●	●	
16,00 x 3,00		0,977			●	●	
16,00 x 4,00		1,202			●	●	
17,15 x 1,65	3/8" SCH 10 S	0,640	●	●	●		●
17,15 x 2,31	3/8" SCH 40 S	0,858	●	●			●
17,15 x 3,20	3/8" SCH 80 S	1,118	●	●			●
17,20 x 1,60		0,625			●	●	
17,20 x 1,80		0,694			●	●	
17,20 x 2,00		0,761			●	●	
17,20 x 2,30		0,858	●	●	●	●	●
17,20 x 2,60		0,951			●	●	
17,20 x 2,90		1,038			●	●	
17,20 x 3,20		1,122	●	●	●	●	●
18,00 x 1,00		0,426	●	●	●	●	●
18,00 x 1,50		0,620	●	●	●	●	●
18,00 x 2,00		0,801	●	●	●	●	●
18,00 x 3,00		1,127			●	●	
18,00 x 4,00		1,402			●	●	
19,05 x 1,24		0,553	●	●			●
19,05 x 1,65		0,719	●	●			●
20,00 x 1,00		0,476			●	●	
20,00 x 1,50		0,695			●	●	
20,00 x 2,00		0,901			●	●	●
20,00 x 2,50		1,096			●	●	
20,00 x 3,00		1,277			●	●	
20,00 x 4,00		1,603			●	●	
20,00 x 5,00		1,878			●	●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
21,30 x 1,60		0,789			●	●	
21,30 x 2,00		0,967	●	●	●	●	
21,30 x 2,30		1,094			●	●	
21,30 x 2,60		1,217	●	●	●	●	
21,30 x 2,90		1,336			●	●	
21,30 x 3,20		1,450			●	●	
21,34 x 2,11	1/2" SCH 10 S	1,016	●	●	●		●
21,34 x 2,77	1/2" SCH 40 S	1,288	●	●	●		●
21,34 x 3,73	1/2" SCH 80 S	1,645	●	●	●		●
21,34 x 4,75	1/2" SCH 160	1,973	●	●	●		●
21,34 x 7,47	1/2" XXS	2,594		●			●
22,00 x 1,00		0,526			●	●	
22,00 x 1,50		0,770			●	●	
22,00 x 2,00		1,002			●	●	
22,00 x 2,50		1,221			●	●	
22,00 x 3,00		1,427			●	●	
22,00 x 4,00		1,803			●	●	
22,00 x 5,00		2,128			●	●	
25,00 x 1,00		0,601				●	
25,00 x 1,50		0,883	●	●	●	●	
25,00 x 2,00		1,152			●	●	
25,00 x 2,50		1,409			●	●	
25,00 x 3,00		1,653			●	●	
25,00 x 4,00		2,103			●	●	
25,00 x 5,00		2,504			●	●	
25,00 x 7,10		3,182				●	
25,40 x 2,11		1,231	●	●			●
26,67 x 2,11	3/4" SCH 10 S	1,298	●	●	●		●
26,67 x 2,87	3/4" SCH 40 S	1,710	●	●	●		●
26,67 x 3,91	3/4" SCH 80 S	2,228	●	●	●		●
26,67 x 5,54	3/4" SCH 160	2,931	●	●	●	●	●
26,67 x 7,82	3/4" XXS	3,691		●			●
26,90 x 1,60		1,014			●	●	
26,90 x 2,00		1,247	●	●	●	●	
26,90 x 2,30		1,417			●	●	
26,90 x 2,60		1,582	●	●	●	●	●
26,90 x 2,90		1,743			●	●	
26,90 x 3,20		1,899	●		●	●	
26,90 x 4,00		2,294			●	●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
28,00 x 1,00		0,676			●	●	
28,00 x 1,50		0,995			●	●	
28,00 x 2,00		1,302			●	●	
28,00 x 3,00		1,878			●	●	
28,00 x 4,00		2,404			●	●	
30,00 x 2,00		1,402			●	●	
30,00 x 2,60		1,784			●	●	
30,00 x 3,00		2,028			●	●	
30,00 x 4,00		2,604			●	●	
30,00 x 5,00		3,130			●	●	
31,80 x 2,50		1,834				●	
33,40 x 2,77	1" SCH 10 S	2,125	●	●	●		●
33,40 x 3,38	1" SCH 40 S	2,541	●	●	●	●	●
33,40 x 4,55	1" SCH 80 S	3,287	●	●	●	●	●
33,40 x 6,35	1" SCH 160	4,301	●	●	●		●
33,40 x 9,09	1" XXS	5,533	●	●			●
33,70 x 2,00		1,588	●	●	●	●	
33,70 x 2,60		2,025	●		●	●	
33,70 x 2,90		2,237				●	
33,70 x 3,20		2,444			●	●	
33,70 x 3,60		2,713			●	●	
33,70 x 4,05		3,007			●	●	
33,70 x 5,00		3,593				●	
35,00 x 2,00		1,653				●	
35,00 x 2,60		2,109			●		
35,00 x 3,00		2,404			●	●	
35,00 x 8,80		5,773				●	
38,00 x 2,00		1,803			●	●	
38,00 x 2,60		2,305			●	●	
38,00 x 3,00		2,629			●	●	
38,00 x 3,60		3,101			●		
38,00 x 4,00		3,405			●	●	
38,00 x 5,00		4,132			●	●	
38,00 x 6,00		4,808			●	●	
40,00 x 2,00		1,903			●	●	
40,00 x 2,50		2,348			●	●	
40,00 x 3,00		2,779			●	●	
40,00 x 4,00		3,606			●		
40,00 x 5,00		4,382			●	●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
42,00 x 2,00		2,003			●	●	
42,00 x 3,00		2,930			●	●	
42,16 x 2,77	1 1/4" SCH 10 S	2,732	●	●	●		●
42,16 x 3,56	1 1/4" SCH 40 S	3,441	●	●	●	●	●
42,16 x 4,85	1 1/4" SCH 80 S	4,531	●	●	●	●	●
42,16 x 6,35	1 1/4" SCH 160	5,694	●	●	●		●
42,16 x 9,70	1 1/4" XXS	7,884	●	●			●
42,40 x 2,00		2,023			●	●	
42,40 x 2,60		2,591			●	●	
42,40 x 3,20		3,141			●	●	
42,40 x 3,60		3,498			●	●	
42,40 x 4,05		3,889			●	●	
42,40 x 6,30		5,695				●	
42,40 x 7,10		6,276				●	
44,50 x 2,00		2,128			●	●	
44,50 x 2,60		2,728			●	●	
44,50 x 2,90		3,021			●		
44,50 x 3,20		3,309			●	●	
44,50 x 4,00		4,056			●	●	
48,26 x 2,77	1 1/2" SCH 10 S	3,155	●	●	●	●	●
48,26 x 3,68	1 1/2" SCH 40 S	4,108	●	●	●	●	●
48,26 x 5,08	1 1/2" SCH 80 S	5,493	●	●	●	●	●
48,26 x 7,14	1 1/2" SCH 160	7,352	●	●	●	●	●
48,26 x 10,16	1 1/2" XXS	9,693	●	●			●
48,30 x 2,00		2,319			●	●	
48,30 x 2,60		2,975	●		●	●	●
48,30 x 2,90		3,297			●	●	
48,30 x 3,20		3,614			●	●	
48,30 x 3,60		4,029			●	●	
48,30 x 4,05		4,487			●	●	
48,30 x 8,00		8,073			●	●	
50,00 x 2,00		2,404			●	●	
50,00 x 4,00		4,607					
50,00 x 5,00		5,634			●	●	
50,00 x 6,00		6,611				●	
54,00 x 2,00		2,604			●	●	
55,00 x 5,00		6,260			●	●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
57,00 x 2,00		2,754			●	●	
57,00 x 2,60		3,542			●	●	
57,00 x 2,90		3,929			●	●	
57,00 x 4,00		5,308			●	●	
57,00 x 5,00		6,510					
57,00 x 6,50		8,219			●	●	
60,30 x 2,00		2,920			●	●	
60,30 x 2,30		3,340			●	●	
60,30 x 2,60		3,757			●	●	
60,30 x 2,90		4,168			●	●	
60,30 x 3,20		4,575			●	●	
60,30 x 3,60		5,111			●	●	
60,30 x 4,00		5,639			●	●	
60,30 x 4,50		6,288			●	●	
60,30 x 5,00		6,924			●	●	
60,30 x 8,00		10,477			●	●	
60,30 x 10,00		12,595				●	
60,33 x 2,77	2" SCH 10 S	3,992	●	●	●	●	●
60,33 x 3,91	2" SCH 40 S	5,524	●	●	●	●	●
60,33 x 5,54	2" SCH 80 S	7,601	●	●	●	●	●
60,33 x 8,74	2" SCH 160	11,290	●	●	●	●	●
60,33 x 11,07	2" XXS	13,655	●	●	●		●
70,00 x 2,90		4,873			●	●	
70,00 x 4,00		6,611			●	●	
70,00 x 5,00		8,138				●	
70,00 x 10,00		15,024				●	
73,03 x 3,05	2 1/2" SCH 10 S	5,345	●	●	●		●
73,03 x 5,16	2 1/2" SCH 40 S	8,769	●	●	●		●
73,03 x 7,01	2 1/2" SCH 80 S	11,589	●	●	●		●
73,03 x 9,53	2 1/2" SCH 160	15,153	●	●			●
73,03 x 14,02	2 1/2" XXS	20,716					
76,10 x 2,00		3,711			●	●	
76,10 x 2,30		4,250			●	●	
76,10 x 2,60		4,785			●	●	
76,10 x 2,90		5,315			●	●	
76,10 x 3,20		5,841			●	●	
76,10 x 3,60		6,535			●	●	
76,10 x 4,00		7,222			●	●	
76,10 x 4,50		8,068			●	●	
76,10 x 5,00		8,902			●	●	
76,10 x 5,60		9,886				●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
76,10 x 6,30		11,011			●		
76,10 x 10,00		16,551				●	
76,10 x 12,50		19,907				●	
80,00 x 5,00		9,390			●	●	
88,90 x 2,00		4,352			●	●	
88,90 x 2,30		4,987			●	●	
88,90 x 2,60		5,618			●	●	
88,90 x 2,90		6,245			●	●	
88,90 x 3,05	3" SCH 10 S	6,557	●	●	●	●	●
88,90 x 3,20		6,867			●	●	●
88,90 x 3,60		7,689			●	●	
88,90 x 4,05		8,605	●		●	●	
88,90 x 4,50		9,510			●	●	
88,90 x 5,00		10,504			●	●	
88,90 x 5,49	3" SCH 40 S	11,466	●	●	●	●	●
88,90 x 6,30		13,030			●	●	
88,90 x 7,62	3" SCH 80 S	15,509	●	●	●	●	●
88,90 x 11,13	3" SCH 160	21,674	●	●	●	●	●
88,90 x 15,24	3" XXS	28,109	●	●			●
101,60 x 3,05	3 1/2" SCH 10 S	7,526	●	●			●
101,60 x 4,05		9,893			●	●	
101,60 x 5,00		12,094			●	●	
101,60 x 5,74	3 1/2" SCH 40 S	13,778	●	●	●	●	●
101,60 x 8,08	3 1/2" SCH 80 S	18,921	●	●			●
108,00 x 2,90		7,632			●	●	
108,00 x 3,60		9,411				●	
108,00 x 4,00		10,417			●	●	
108,00 x 5,00		12,896			●	●	
108,00 x 6,30		16,043			●	●	
114,30 x 2,60		7,272			●	●	
114,30 x 2,90		8,089			●	●	
114,30 x 3,05	4" SCH 10 S	8,496	●	●	●	●	●
114,30 x 3,20		8,902			●	●	
114,30 x 3,60		9,979			●	●	
114,30 x 4,00		11,048			●	●	
114,30 x 4,50		12,372			●	●	
114,30 X 5,40		14,725			●	●	
114,30 x 6,02	4" SCH 40 S	16,322	●	●	●	●	●
114,30 x 6,30		17,037				●	
114,30 x 8,56	4" SCH 80 S	22,665	●	●	●	●	●
114,30 x 13,49	4" SCH 160	34,053	●	●	●	●	●

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
114,30 x 17,12	4" XXS	41,660	●	●	●		●
121,00 x 4,00		11,719			●	●	
133,00 x 4,00		12,921			●	●	
133,00 x 6,30		19,987			●	●	
139,70 x 4,00		13,592			●	●	
139,70 x 4,50		15,234				●	
139,70 x 5,00		16,864			●	●	
139,70 x 7,10		23,574			●	●	
139,70 x 10,00		32,477				●	
141,30 x 3,40	5" SCH 10 S	11,740	●	●			●
141,30 x 6,55	5" SCH 40 S	22,101	●	●	●	●	●
141,30 x 9,53	5" SCH 80 S	31,444	●	●			●
141,30 x 15,88	5" SCH 160	49,871					
159,00 x 4,50		17,409			●	●	
159,00 x 6,30		24,089			●	●	
168,30 x 3,40	6" SCH 10 S	14,039	●	●	●		●
168,30 x 4,50		18,457			●	●	
168,30 x 5,00		20,445			●	●	
168,30 x 7,11	6" SCH 40 S	28,697	●	●	●	●	●
168,30 x 10,97	6" SCH 80 S	43,217	●	●	●	●	●
168,30 x 14,27	6" SCH 120	55,038	●	●			●
168,30 x 18,24	6" SCH 160	68,537	●	●	●		●
168,30 x 21,95	6" XXS	80,438					
219,10 x 3,76	8" SCH 10 S	20,274	●	●			●
219,10 x 6,35	8" SCH 20	33,828			●	●	
219,10 x 8,18	8" SCH 40 S	43,202	●	●	●	●	●
219,10 x 12,70	8" SCH 80 S	65,637	●	●	●	●	●
219,10 x 15,09	8" SCH 100	77,086	●	●			●
219,10 x 18,26	8" SCH 120	91,830	●	●			●
219,10 x 20,62	8" SCH 140	102,480					
219,10 x 23,01	8" SCH 160	112,981	●	●			●
273,00 x 6,35	10" SCH 20	42,398					
273,00 x 9,27	10" SCH 40 S	61,217	●	●	●	●	●
273,00 x 12,70	10" SCH 80 S	82,777	●	●	●	●	●
273,00 x 14,20		92,021				●	
273,00 x 15,09		97,452	●	●			●
273,00 x 25,40	10" SCH 140	157,478	●	●	●		●
273,00 x 28,58	10" SCH 160	174,918	●	●			●

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Seamless Stainless Steel Tubes and Pipes

Nahtlose Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4301 TP304	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
323,90 x 9,52	12" SCH 40 S	74,942	●	●			●
323,90 x 10,00		78,601			●		
323,90 x 10,20	12" SCH 40	80,121				●	
323,90 x 12,70	12" SCH 80 S	98,964	●	●	●	●	●
323,90 x 14,27		110,637	●	●	●		●
323,90 x 16,00		123,357				●	
323,90 x 17,48	12" SCH 80	134,120	●	●	●		●
323,90 x 25,40	12" SCH 120	189,851	●	●	●		●
323,90 x 28,58	12" SCH 140	211,344	●	●			●
323,90 x 33,32	12" SCH 160	242,440	●	●			●
355,60 x 9,52	14" SCH 40 S	82,499	●	●			●
355,60 x 12,70	14" SCH 80 S	109,045	●	●			●
406,40 x 9,52	16" SCH 40 S	94,609	●	●			●
406,40 x 12,70	16" SCH 80 S	125,200	●	●	●	●	●
406,40 x 15,88		155,284					●
406,40 x 17,48		170,230	●	●	●		●
406,40 x 21,44	16" SCH 80	206,669			●		●
406,40 x 30,96	16" SCH 120	291,056	●	●		●	●
457,20 X14,27	18" SCH 40	158,268	●	●			
457,20 X34,92	18" SCH 120	369,240	●				

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage



Technical Delivery Conditions, Welded
Technische Lieferbedingungen, geschweißt

Welded stainless steel tubes and pipes
technical delivery conditions according to

DIN 17455 / 17457 class 1 / 2 - AD-W2 / AD 2000 W2 / W 10
Grades 1.4301, 1.4541, 1.4571

ASTM / ASME A / SA 312
Grades TP304/304L / TP316/316L

NACE MR 0175 / NFA 49117
Grades Z2CN18.10, Z8CNT18.10, Z2CND17.12

Geschweißte Edelstahlrohre
technische Lieferbedingungen gemäß

DIN 17455 / 17457 PK1 / PK2 - AD-W2 / AD 2000 W2 / W 10
W-Nr. 1.4301, 1.4541, 1.4571

ASTM / ASME A / SA 312
W-Nr. TP304/304L / TP316/316L

NACE MR 0175 / NFA 49117
W-Nr. Z2CN18.10, Z8CNT18.10, Z2CND17.12

Tolerances

Toleranzen

	OD / AD
EN ISO 1127	D1 +/-1,5 %, mind. +/-0,75 mm D2 +/-1 %, mind. +/-0,50 mm D3 +/-0,75%, mind. +/-0,30 mm D4 +/-0,5 %, mind. +/-0,10 mm
ASTM A 999	< 48,26 mm +0,40/-0,79 mm > 48,26 < 114,3 mm +0,79/-0,79 mm > 114,3 < 219,1 mm +1,59/-0,79 mm

	Wall / Wand
	T1 +/- 15 %, mind. +/-0,60 mm T2 +/- 12,5%, mind. +/-0,40 mm T3 +/- 10 %, mind. +/-0,20 mm T4 +/- 7,5 %, mind. +/-0,15 mm
	not specified / nicht spezifiziert +/- / -12,5%

we know how

Welded Stainless Steel Tubes and Pipes
Geschweißte Edelstahlrohre

Welded Stainless Steel Tubes and Pipes

Geschweißte Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
21,30 x 1,60		0,789			●	
21,30 x 2,00		0,967		●	●	
21,30 x 2,60		1,217		●	●	
21,34 x 2,11	1/2" SCH 10 S	1,016	●			●
21,34 x 2,77	1/2" SCH 40 S	1,288	●			●
26,67 x 2,11	3/4" SCH 10 S	1,298	●			●
26,67 x 2,87	3/4" SCH 40 S	1,710	●			●
26,90 x 1,60		1,014			●	
26,90 x 2,00		1,247		●	●	
26,90 x 2,60		1,582		●	●	
33,40 x 2,77	1" SCH 10 S	2,125	●			●
33,40 x 3,38	1" SCH 40 S	2,541	●			●
33,70 x 2,00		1,588		●	●	
33,70 x 2,60		2,025		●	●	
42,16 x 2,77	1 1/4" 10S	2,732	●			●
42,16 x 3,56	1 1/4" SCH 40 S	3,441	●			●
42,40 x 2,00		2,023		●	●	
42,40 x 2,60		2,591		●	●	
42,40 x 3,60		3,498		●		
48,26 x 2,77	1 1/2" SCH 10 S	3,155	●			●
48,26 x 3,68	1 1/2" SCH 40 S	4,108	●			●
48,30 x 2,00		2,319		●	●	
48,30 x 2,60		2,975		●	●	
48,30 x 3,60		4,029		●		
60,30 x 2,00		2,920		●	●	
60,30 x 2,60		3,757		●	●	
60,30 x 2,90		4,168		●	●	
60,33 x 2,77	2" SCH 10 S	3,992	●			●
60,33 x 3,91	2" SCH 40 S	5,524	●			●
73,03 x 3,05	2 1/2" SCH 10 S	5,345	●			●
73,03 x 5,16	2 1/2" SCH 40 S	8,769	●			●
76,10 x 2,00		3,711		●	●	
76,10 x 2,30		4,250			●	
76,10 x 2,60		4,785		●	●	
76,10 x 2,90		5,315		●	●	
88,90 x 2,00		4,352		●	●	
88,90 x 2,30		4,987		●	●	
88,90 x 2,60		5,618		●	●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Welded Stainless Steel Tubes and Pipes

Geschweißte Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
88,90 x 2,90		6,245		●		
88,90 x 3,05	3" SCH 10 S	6,557	●			●
88,90 x 3,20		6,867		●	●	
88,90 x 5,49	3" SCH 40 S	11,466	●			●
114,30 x 2,00		5,624		●	●	
114,30 x 2,60		7,272		●	●	
114,30 x 3,05	4" SCH 10 S	8,496	●			●
114,30 x 3,20		8,902		●		
114,30 x 3,60		9,979		●	●	
114,30 x 6,02	4" SCH 40 S	16,322	●			●
139,70 x 2,60		8,926			●	
139,70 x 4,00		13,592		●	●	
141,30 x 3,40	5" SCH 10 S	11,740	●			●
141,30 x 6,55	5" SCH 40 S	22,101	●			●
168,30 x 2,60		10,788		●	●	
168,30 x 3,40	6" SCH 10 S	14,039	●			●
168,30 x 4,00		16,456		●	●	
168,30 x 5,00		20,445		●	●	
168,30 x 6,30		25,556		●		
168,30 x 7,11	6" SCH 40 S	28,600	●			●
219,10 x 2,00		10,870		●		
219,10 x 3,00		16,233		●	●	
219,10 x 3,20		17,300		●		
219,10 x 3,76	8" SCH 10 S	20,274	●			●
219,10 x 4,00		21,544		●	●	
219,10 x 5,00		26,805			●	
219,10 x 6,00		32,016			●	
219,10 x 6,30		33,570		●		
219,10 x 8,18	8" SCH 40 S	43,202	●			●
219,10 x 10,31		53,902		●		
273,00 x 3,00		20,282		●	●	
273,00 x 3,40		22,950				●
273,00 x 4,19	10" SCH 10 S	28,203	●			●
273,00 x 5,00		33,554			●	
273,00 x 6,00		40,114			●	
273,00 x 6,30		42,072		●		
273,00 x 8,80		58,217			●	
273,00 x 9,27	10" SCH 40 S	61,217	●			●
323,90 x 3,00		24,106		●	●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage

Welded Stainless Steel Tubes and Pipes

Geschweißte Edelstahlrohre

Size Abmessung	Remarks Bemerkung	kilos/m kg/m	1.4306 TP304L	1.4541 TP321/321H	1.4571 TP316Ti	1.4401/4404 TP316/316L
323,90 x 4,00		32,041		●		
323,90 x 4,57	12" SCH 10 S	36,542	●			●
323,90 x 5,00		39,900		●		
323,90 x 6,00		47,761			●	
323,90 x 7,00		55,546		●	●	
323,90 x 9,52	12" SCH 40 S	74,942	●			●
323,90 x10,00		78,601			●	
323,90 x10,31		80,957			●	
355,60 x 3,00		26,487			●	
355,60 x 3,20		28,200		●		
355,60 x 4,77	14" SCH 10 S	41,903	●			●
355,60 x 6,00		52,524			●	
355,60 x 8,00		69,631			●	
355,60 x15,09		128,663		●		
406,40 x 3,00		30,303		●	●	
406,40 x 4,77	16" SCH 10 S	47,971	●			●
406,40 x 6,00		60,156			●	
406,40 x 8,00		79,807		●		
406,40 x 9,00		89,558			●	
457,20 x 4,77	18" SCH 10 S	54,039	●			●
508,00 x 4,00		50,481			●	
508,00 x 5,54	20" SCH 10 S	69,702	●			●
508,00 x 8,00		100,160			●	
508,00 x11,00		136,890			●	
813,00 x 3,00		60,847			●	

Other Dimensions + Grades on Request / Andere Abmessungen + Güten auf Anfrage



we know how

Technical Data
Technische Daten

Technical Data

Technische Daten

Chemical Composition Chemische Zusammensetzung

Grades Werkstoff-Nummer	Material Werkstoff				
	C %	Cr %	Ni %	Mo %	Ti %
1.4301 TP304	max. 0,07	17,0-19,0	8,5-10,5		
1.4306 TP304L	max. 0,03	18,0-20,0	10,0-12,5		
1.4541 TP321/321H	max. 0,08	17,0-19,0	9,0-12,0		5x% C-0,80
1.4571 TP316Ti	max. 0,08	16,5-18,5	10,5-13,5	2,0-2,5	5x% C-0,80
1.4401 TP316	max. 0,07	16,5-18,5	10,5-13,5	2,0-2,5	
1.4404 TP316L	max. 0,03	16,5-18,5	11,0-14,0	2,0-2,5	

Technical Data

Technische Daten

Wall Thicknesses and Weights Wandstärken und Gewichte

Nominal Pipe Size	Outside Dia- meter	ANSI B 36.10										ANSI B 36.19																							
		Schedule 10	Schedule 20	Schedule 30	Schedule STD	Schedule 40	Schedule 60	Schedule XS	Schedule 80	Schedule 100	Schedule 120	Schedule 140	Schedule 160	Schedule XXS	Schedule 5S	Schedule 10S	Schedule 40S	Schedule 80S																	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm																
		kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m															
1/4"	13.7				2.24	0.63	2.24	0.63	3.02	0.80	3.02	0.80				1.65	0.50	2.24	0.64	3.02	0.81														
3/8"	17.1				2.31	0.84	2.31	0.84	3.20	1.10	3.20	1.10				1.65	0.64	2.31	0.86	3.20	1.12														
1/2"	21.3				2.77	1.27	2.77	1.27	3.73	1.62	3.73	1.62			4.78	1.95	7.47	2.55	1.65	0.81	2.11	1.02	2.77	1.29	3.73	1.65									
3/4"	26.7				2.87	1.69	2.87	1.69	3.91	2.20	3.91	2.20			5.56	2.90	7.82	3.64	1.65	1.03	2.11	1.30	2.87	1.71	3.91	2.23									
1"	33.4				3.38	2.50	3.38	2.50	4.55	3.24	4.55	3.24			6.35	4.24	9.09	5.45	1.65	1.31	2.77	2.13	3.38	2.54	4.55	3.29									
1 1/4"	42.2				3.56	3.39	3.56	3.39	4.85	4.47	4.85	4.47			6.35	5.61	9.70	7.77	1.65	1.68	2.77	2.73	3.56	3.44	4.85	4.53									
1 1/2"	48.3				3.68	4.05	3.68	4.05	5.08	5.41	5.08	5.41			7.14	7.25	10.15	9.56	1.65	1.93	2.77	3.16	3.68	4.11	5.08	5.49									
2"	60.3				3.91	5.44	3.91	5.44	5.54	7.48	5.54	7.48			8.74	11.11	11.07	13.44	1.65	2.42	2.77	3.99	3.91	5.52	5.54	7.60									
2 1/2"	73.0				5.16	8.63	5.16	8.63	7.01	11.41	7.01	11.41			9.53	14.92	14.02	20.39	2.11	3.75	3.05	5.35	5.16	8.77	7.01	11.59									
3"	88.9				5.49	11.29	5.49	11.29	7.62	15.27	7.62	15.27			11.13	21.35	15.24	27.68	2.11	4.59	3.05	6.56	5.49	11.47	7.62	15.51									
3 1/2"	101.6				5.74	13.57	5.74	13.57	8.08	18.63	8.08	18.63							2.11	5.26	3.05	7.53	5.74	13.78	8.08	18.92									
4"	114.3				6.02	16.07	6.02	16.07	8.56	22.32	8.56	22.32			13.49	33.54	17.12	41.03	2.11	5.93	3.05	8.50	6.02	16.32	8.56	22.67									
5"	141.3				6.55	21.77	6.55	21.77	9.53	30.97	9.53	30.97			15.88	49.11	19.05	57.43	2.77	9.61	3.40	11.74	6.55	22.10	9.53	31.44									
6"	168.3				7.11	28.26	7.11	28.26	10.97	42.56	10.97	42.56			18.26	67.56	21.95	79.22	2.77	11.48	3.40	14.04	7.11	28.70	10.97	43.22									
8"	218.1				6.35	33.31	7.04	36.81	8.18	42.55	10.31	53.08	12.70	64.64	15.09	75.92	18.26	90.44	20.62	100.90	23.01	111.20	22.23	107.90	2.77	14.90	3.76	20.12	8.18	43.20	12.70	65.64			
10"	273.0				6.35	41.77	7.80	51.03	9.27	60.31	9.27	60.31	12.70	81.55	12.70	81.55	15.09	96.01	18.26	114.70	21.44	135.00	25.40	155.10	3.40	22.95	4.19	28.20	9.27	61.22	12.70	82.78			
12"	323.8				6.35	49.73	8.38	65.20	9.53	73.88	10.31	79.73	14.27	108.90	12.70	97.46	17.48	132.00	21.44	159.90	25.40	186.90	28.58	208.10	3.96	31.71	4.57	36.53	9.53	74.94	12.70	98.96			
14"	355.6				6.35	54.69	7.92	67.90	9.53	81.33	9.53	81.33	11.13	94.55	15.09	126.70	12.70	107.30	19.05	188.10	23.83	194.90	27.79	224.60	3.96	34.87	4.78	41.99	9.53	82.50	12.70	109.05			
16"	408.4				6.35	62.64	7.92	77.83	9.53	93.27	9.53	93.27	12.70	123.30	16.66	160.10	12.70	123.30	21.44	203.50	26.19	245.50	30.96	286.60	4.19	42.20	4.78	48.07	9.53	94.61	12.70	125.20			
18"	457.2				6.35	70.57	7.92	87.71	11.13	122.30	9.53	105.10	14.27	155.80	19.05	205.70	12.70	139.10	23.83	254.50	29.36	309.60	34.93	363.50	4.19	47.53	4.78	54.15	9.53	106.83	12.70	141.35			
20"	508.0				6.35	78.55	9.53	117.10	12.70	155.10	9.53	117.10	15.09	183.40	20.62	247.80	12.70	155.10	26.19	311.10	32.54	381.50	38.10	441.40	4.78	60.23	5.54	69.70	9.53	118.95	12.70	157.51			
22"	558.8				6.35	86.54	9.53	129.10	12.70	171.00	9.53	129.10			22.23	294.20	12.70	171.00	28.58	373.80	34.93	451.40	41.28	527.00	4.78	66.31	5.54	76.75	9.53	131.07	12.70	173.66			
24"	609.6				6.35	94.53	9.53	141.10	14.27	209.60	9.53	141.10	17.48	255.40	24.61	355.20	12.70	187.00	30.96	442.00	38.89	547.70	46.02	640.00	5.54	83.80	6.35	95.92	9.53	143.20	12.70	189.82			
26"	660.4				7.92	127.30	12.70	202.70									12.70	202.70																	
28"	711.2				7.92	137.30	12.70	218.60	15.88	271.20	9.53	164.80																							
30"	762.0				7.92	147.20	12.70	234.60	15.88	291.10	9.53	176.80																							
32"	812.8				7.92	157.20	12.70	250.60	15.88	312.10	9.53	188.80	17.48	342.90																					
34"	863.6				7.92	167.20	12.70	266.60	15.88	332.10	9.53	200.30	17.48	364.90																					
36"	914.4				7.92	176.90	12.70	282.20	15.88	351.70	9.53	212.50	19.05	420.40																					

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