



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

Contents

Inhalt

Seamless Stainless Steel Tubes and Pipes	Page	5
Nahtlose Edelstahlrohre	Seite	5
Welded Stainless Steel Tubes and Pipes	Page	17
Geschweißte Edelstahlrohre	Seite	17
Technical Data	Page	21
Technische Daten	Seite	21

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	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																						
1/4"	13.7			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	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	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	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	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	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	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	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	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						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										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						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						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						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	3.80	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	33.32	238.70	25.40	186.90	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	158.10	23.83	194.90	27.79	224.60	31.75	253.50	35.71	281.70		3.96	34.87	4.78	41.99	9.53	82.50	12.70	109.05			
16"	406.4			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	36.53	333.10	40.49	365.30		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	39.67	408.20	45.74	459.30		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	44.45	508.10	50.01	564.80		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	47.63	600.60	59.90	672.20		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	52.37	720.10	59.94	808.20		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																																
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																										

BUHLMANN GROUP

BUHLMANN GRUPPE

■ **Bremen** Arberger Hafendamm 1, 28309 Bremen, Germany
Tel.: +49 421 4586-0, Fax: +49 421 4586750
tubes+fittings.hb@buhlmann.de

■ **Hilden** Lise-Meitner-Straße 14, 40721 Hilden, Germany
Tel.: +49 2103 578-0, Fax: +49 2103 578115
tubes+fittings.me@buhlmann.de

■ **Duisburg** Bliersheimer Straße 33, 47229 Duisburg, Germany
Tel.: +49 2103 578-0, Fax: +49 2103 578151
tubes+fittings.du@buhlmann.de

■ **Mannheim** Ruhrorter Straße 35-39, 68219 Mannheim, Germany
Tel.: +49 621 3242-0, Fax: +49 621 3242111
tubes+fittings.ma@buhlmann.de

■ **Burghausen** Gewerbepark Lindach A10, 84489 Burghausen, Germany
Tel.: +49 8677 8816-0, Fax: +49 8677 881650
tubes+fittings.ao@buhlmann.de

■ **Chemnitz** Dresdner Straße 11, 09111 Chemnitz, Germany
Tel.: +49 371 43137-0, Fax: +49 371 4313718
tubes+fittings.c@buhlmann.de

■ **Finland** Salomonkatu 17 B 141, 00100 Helsinki, Finland
Tel.: +358 9 439113-0, Fax: +358 9 43911313
finland@buhlmann.de

■ **Great Britain** Unit 3B Newton Court, Pendeford Office Park
Wobaston Road, Wolverhampton WV9 5HB, Great Britain
Tel.: +44 1902 781300, Fax: +44 1902 781301
greatbritain@buhlmann.de

■ **France** – BUHLMANN France S.A.S.
Espace Saint Christophe, 1 Avenue des Beguines
95800 Cergy Saint Christophe, France
Tel.: +33 1 342017-20, Fax: +33 1 34201721
france@buhlmann.de

■ **Netherlands** Ohmweg 1b, 2952 BD Alblasserdam, Netherlands
Telefon: +31 78 69913-88, Fax: +31 78 6991399
netherlands@buhlmann.de

■ **Austria** Bleckmangasse 10, 8680 Müzzuschlag, Austria
Tel.: +43 3852 5511-00, Fax: +43 3852 551102
austria@buhlmann.de

■ **Italy** Via G. Paglia 30, 24122 Bergamo (BG), Italy
Tel.: +39 035 0779148, Fax: +39 035 0779180
italy@buhlmann.de

■ **PR China** – BUHLMANN Delegate, c/o C. Melchers GmbH & Co.
Room 503-504 Beijing Tower, No. 10, Chang An Ave. (East)
Beijing 100006, PR China
Tel.: +86 10 65257775, Fax: +86 10 65123505
buhlmann@bj.melchers.com.cn

■ **PR China** – BUHLMANN Delegate, c/o C. Melchers GmbH & Co.
13th Floor, East Ocean Centre, 588 Yan-An Road (East)
Shanghai 200001, PR China
Tel.: +86 21 63528848, Fax: +86 21 63513138
buhlmann@sh.melchers.com.cn

■ **Thailand** – Representative Office
15th Floor Sorachai Building, 23/31-39 Sukhumvit 63
Klongton-Nua, Watthana, Bangkok 10110, Thailand
Tel.: +66 2 7143-105, Fax: +66 2 7143106
thailand@buhlmann.de

■ **Singapore** – BUHLMANN Singapore Pte Ltd.
Singapore, Tel.: +65 9819 4291, Fax: +65 6441 4122
singapore@buhlmann.de

1 **DIN Boiler Tubes**
DIN Kesselrohre

2 **DIN Fittings**
DIN Fittings

3 **ASTM Pipes**
ASTM Rohre

4 **ASTM Fittings**
ASTM Fittings

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

6 **Stainless Steel Fittings / Flanges to ASTM and DIN**
Edelstahl Fittings / Flansche nach ASTM und DIN

7 **Carbon / Alloy Steel Flanges to ASTM and DIN**
C-Stahl / Legierte Flansche nach ASTM und DIN

www.buhlmann.de