

EDELSTAHLROHRE NAHTLOS STAINLESS STEEL TUBES SEAMLESS

Technische Kurzinformation <i>Technical information</i>	Kurzzeichen: NER <i>Symbol: NER</i>
Norm für technische Lieferbedingungen <i>Standard for technical delivery conditions</i>	EN 10216-5 (10297-2) ASTM A213 / A269 / A312 ASME SA213 / SA312
Werkstoff <i>Steel grade</i>	1.4301 / 1.4306 / 1.4307 - TP304 / TP304L 1.4541 / 1.4878 - TP321 / TP321H 1.4404 / 1.4401 - TP316L / TP316 1.4571 - TP316Ti
Norm für Abmessung / Geradheit <i>Standard for sizes / straightness</i>	EN ISO 1127 / EN 10216-5 ASTM A269 / A999
Abmessungsbereich <i>Size range</i>	A.D. O.D. 3 - 406,4 mm W.D. W.T. 0,5 - 23,01 mm
Werkszeugnis <i>Certification</i>	EN 10204
Herstellungslänge <i>Production length</i>	5 - 7 m
Ausführung <i>Finish</i>	CFA = kalt gefertigt, blankgeglüht <i>CFA = cold finished, bright-annealed</i> CFD = kalt gefertigt, wärmebehandelt, entzundert <i>CFD = cold finished, heat treated, descaled</i> HFD = warm gefertigt, wärmebehandelt, entzundert <i>HFD = hot finished, heat treated, descaled</i>

EDELSTAHL-MASCHINENROHRE – HOHLSTAHL STAINLESS HOLLOW BARS

Technische Kurzinformation <i>Technical information</i>	Kurzzeichen: EMR <i>Symbol: EMR</i>
Norm für technische Lieferbedingungen <i>Standard for technical delivery conditions</i>	EN 10216-5 / EN10294-2 / EN10297-2 / EN10088-1
Werkstoff <i>Steel grade</i>	1.4301 / 1.4306 - TP304 / TP304L 1.4404 / 1.4401 - TP316L / TP316
Abmessungsbereich <i>Size range</i>	A.D. O.D. 32 - 250 mm W.D. W.T. 5 - 44 mm
Werkszeugnis <i>Certification</i>	EN 10204
Herstellungslänge <i>Production length</i>	2 - 7 m

Ab Werkslager liefern wir weitere Dimensionen und Werkstoffe.
We also supply ex works stock additional dimensions and steel grades.

A.D. Außendurchmesser
O.D. outside diameter

I.D. Innendurchmesser
I.D. inside diameter

W.D. Wanddicke
W.T. wall thickness

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
3	0,5	2	0,031	●		●				
	1	1	0,05	●		●				
4	0,5	3	0,044	●		●				
	1	2	0,075	●	●	●	●			
5	0,5	4	0,056	●		●	●			
	1	3	0,1	●		●	●			
6	0,5	5	0,069	●		●	●			
	1	4	0,125	●	●	●	●			
	1,5	3	0,169	●	●	●	●			
	2	2	0,2	●	●	●	●			
6,35	0,91	4,53	0,124	●		●	●			
	1,22	3,91	0,157	●		●	●			
	1,63	3,09	0,193	●		●				
6,35 1/4"	0,89 20BWG/SWG (0.036")	4,53	0,124	●		●	●			
	1,24 18BWG/SWG (0.048")	3,87	0,159	●		●	●			
	1,65 16BWG/SWG (0.064")	3,05	0,194	●		●				
7	1	5	0,15	●	●					
	1,5	4	0,207	●		●				
8	1	6	0,175	●	●	●	●			
	1,5	5	0,244	●	●	●	●			
	2	4	0,301	●	●	●	●			
	2,5	3	0,344	●	●					
9	1	7	0,2	●		●				
	1,5	6	0,282	●		●				
9,53	0,91	7,71	0,196	●		●	●			
	1,22	7,09	0,254	●		●	●			
	1,63	6,27	0,323	●		●				
9,53 3/8"	0,89 20BWG/SWG (0.036")	7,71	0,196	●		●	●			
	1,24 18BWG/SWG (0.048")	7,05	0,258	●		●	●			
	1,65 16BWG/SWG (0.064")	6,23	0,326	●		●				
10	1	8	0,225	●	●	●	●			
	1,5	7	0,319	●	●	●	●			
	2	6	0,401	●	●	●	●			
	2,5	5	0,47	●	●	●	●			
	3	4	0,526	●		●				
10,2	1,6	7	0,345	●		●				
	2	6,2	0,411	●		●				
10,3 1/8"	1,24 SCH10S	7,82	0,281	●						
	1,73 SCH40S	6,84	0,371	●						
	2,41 SCH80S	5,48	0,476	●						
11	1	9	0,251	●						
	1,5	8	0,357	●		●				
	2	7	0,451	●		●				
12	0,5	11	0,144	●		●				
	1	10	0,276	●	●	●	●			
	1,5	9	0,395	●	●	●	●			
	2	8	0,501	●	●	●	●			
	2,5	7	0,595	●	●	●	●			
	3	6	0,676	●	●	●	●			
	4	4	0,802	●		●				
12,7	0,91	10,88	0,269	●		●	●			
	1,22	10,26	0,351	●		●	●			

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
12,7	1,63	9,44	0,452	●		●	●			
	2,03	8,64	0,543	●		●				
12,7 1/2"	0,89 20BWG/SWG (0.036")	10,88	0,269	●		●	●			
	1,24 18BWG/SWG (0.048")	10,22	0,356	●		●	●			
	1,65 16BWG/SWG (0.064")	9,4	0,457	●		●	●			
	2,11 14BWG/SWG (0.080")	8,48	0,56	●		●				
13	1,5	10	0,432	●	●	●	●			
	2	9	0,551	●	●	●				
	2,5	8	0,658	●						
13,5	1,6	10,3	0,477	●		●				
	2,3	8,9	0,645	●	●	●	●			
	2,9	7,7	0,77	●		●				
13,7 1/4"	1,65 SCH10S	10,4	0,498	●		●	●			
	2,24 SCH40S	9,22	0,643	●	●	●	●			
	3,02 SCH80S	7,66	0,808	●		●				
14	1	12	0,326	●	●	●	●			
	1,5	11	0,47	●	●	●	●			
	2	10	0,601	●	●	●	●			
	2,5	9	0,72	●	●	●	●			
	3	8	0,827	●	●	●	●			
15	1	13	0,351	●	●	●	●			
	1,5	12	0,507	●	●	●	●			
	2	11	0,651	●	●	●	●			
	2,5	10	0,783	●	●	●	●			
	3	9	0,902	●	●	●	●			
	4	7	1,1	●		●				
15,88	1,22	13,44	0,448			●				
15,88 5/8"	1,24 18BWG/SWG (0.048")	13,4	0,455			●				
16	1	14	0,376	●	●	●	●			
	1,5	13	0,545	●	●	●	●			
	2	12	0,701	●	●	●	●			
	2,5	11	0,845	●	●	●	●			
	3	10	0,977	●	●	●	●			
	4	8	1,2	●			●			
17	1	15	0,401	●		●				
17,1 3/8"	1,65 SCH10S	13,8	0,639	●		●				
	2,31 SCH40S	12,48	0,856	●	●	●	●			
	3,2 SCH80S	10,7	1,11	●		●				
17,2	1,6	14	0,625	●		●				
	2	13,2	0,762	●	●	●	●			
	2,3	12,6	0,858	●	●	●	●			
	2,9	11,4	1,04	●		●				
	3,6	10	1,23	●						
18	1	16	0,426	●	●	●	●			
	1,5	15	0,62	●	●	●	●			
	2	14	0,802	●	●	●	●			
	2,5	13	0,971	●	●	●	●			
	3	12	1,13	●	●	●	●			
	4	10	1,4	●		●	●			
19,05	0,91	17,23	0,414	●						
	1,22	16,61	0,545	●		●				

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
19,05	1,63	15,79	0,711	●		●				
	2,03	14,99	0,865	●		●				
19,05 3/4"	0,89 20BWG/SWG (0.036")	17,23	0,414	●						
	1,24 18BWG/SWG (0.048")	16,57	0,553	●		●				
	1,65 16BWG/SWG (0.064")	15,75	0,719	●		●				
	2,11 14BWG/SWG (0.080")	14,83	0,895	●		●				
20	1	18	0,476	●	●	●	●			
	1,5	17	0,695	●	●	●	●			
	2	16	0,902	●	●	●	●			
	2,5	15	1,1	●	●	●	●			
	3	14	1,28	●	●	●	●			
	3,5	13	1,45	●	●	●	●			
	4	12	1,6	●	●	●	●			
	5	10	1,88	●	●	●	●			
	6	8	2,1			●				
21,3	1,6	18,1	0,79	●	●	●	●			
	2	17,3	0,967	●	●	●	●			
	2,6	16,1	1,22	●	●	●	●			
	2,9	15,5	1,34	●			●			
	3,2	14,9	1,45	●	●	●	●			
	3,6	14,1	1,6	●						
21,3 1/2"	2,11 SCH10S	17,08	1,01	●	●	●	●			
	2,77 SCH40S/STD	15,76	1,29	●	●	●	●			
	3,73 SCH80S/XS	13,84	1,64	●		●				
	4,78 SCH160S	11,74	1,98	●		●	●			
22	1	20	0,526	●	●	●	●			
	1,5	19	0,77	●	●	●	●			
	2	18	1	●	●	●	●			
	2,5	17	1,22	●	●	●	●			
	3	16	1,43	●		●	●			
	4	14	1,8	●		●				
	5	12	2,13	●						
23	1,5	20	0,808	●	●	●	●			
24	1,5	21	0,845	●						
	2	20	1,1	●		●	●			
	3	18	1,58	●						
	4	16	2	●						
25	1	23	0,601	●	●	●				
	1,5	22	0,883	●	●	●	●			
	2	21	1,15	●	●	●	●			
	2,5	20	1,41	●	●	●	●			
	3	19	1,65	●	●	●	●			
	4	17	2,1	●	●	●	●			
	5	15	2,51	●	●	●	●			
25,4 1"	1,65 16BWG/SWG (0.064")	22,1	0,982	●		●	●			
	2,11 14BWG/SWG (0.080")	21,18	1,23	●		●				
	2,77 12BWG (0.109")	19,86	1,57	●		●				
26	1,5	23	0,921		●		●			
	2	22	1,2	●		●				
	3	20	1,73	●						

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
26,7 3/4"	1,65 SCH5S	23,4	1,04	●		●				
	2,11 SCH10S	22,48	1,3	●	●	●	●			
	2,87 SCH40S/STD	20,96	1,71	●		●				
	3,91 SCH80S/XS	18,88	2,23	●	●	●				
	5,56 SCH160	15,58	2,94	●		●				
26,9	1,6	23,7	1,01	●		●	●			
	2	22,9	1,25	●	●	●	●			
	2,3	22,3	1,42	●	●	●	●			
	2,6	21,7	1,58	●	●	●	●			
	2,9	21,1	1,74	●		●				
	3,2	20,5	1,9	●	●	●	●			
	4	18,9	2,3	●		●				
27	4	19	2,31	●	●					
28	1	26	0,676	●			●			
	1,5	25	0,996	●	●	●	●			
	2	24	1,3	●	●	●	●			
	2,5	23	1,6	●	●	●	●			
	3	22	1,88	●		●	●			
	4	20	2,41	●		●				
	5	18	2,88	●		●				
30	1	28	0,726	●		●	●			
	1,5	27	1,07	●	●	●	●			
	2	26	1,4	●	●	●	●			
	2,5	25	1,72	●	●	●	●			
	3	24	2,03	●	●	●	●			
	4	22	2,61	●	●	●	●			
	5	20	3,13	●	●	●	●			
31,8	1,6	28,6	1,21	●	●	●				
	2,6	26,6	1,9	●		●				
32	1	30	0,777	●		●				
	1,5	29	1,15	●		●				
	2	28	1,5	●	●	●				
	2,5	27	1,85	●	●	●				
	3	26	2,18	●		●				
	3,5	25	2,5	●	●	●				
	6	20	4,27					●	●	
	8	16	5,26					●	●	
33,4 1"	1,65 SCH5S	30,1	1,31	●		●				
	2,77 SCH10S	27,86	2,13	●	●	●	●			
	3,38 SCH40S/STD	26,64	2,54	●	●	●	●			
	4,55 SCH80S/XS	24,3	3,29	●	●	●	●			● NER 1.4462
	6,35 SCH160S/XS	20,7	4,3	●		●				
33,7	1,6	30,5	1,29	●		●				
	2	29,7	1,59	●	●	●	●			
	2,6	28,5	2,03	●	●	●	●			
	2,9	27,9	2,24	●		●	●			
	3,2	27,3	2,45	●	●	●	●			
	3,6	26,5	2,71	●	●	●	●			
	4,05	25,6	3,01	●			●			
34	1,5	31	1,22	●						
	2	30	1,6	●	●	●				

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
34	4	26	3,01	●	●		●			
	5,5	23	3,93		●					
35	1,5	32	1,26	●	●	●	●			
	2	31	1,65	●	●	●	●			
	2,5	30	2,04	●	●	●	●			
	3	29	2,41	●		●	●			
	4	27	3,11	●						
	5	25	3,76	●		●	●			
36	2	32	1,7	●		●				
	3	30	2,48	●		●				
	5,5	25	4,59					●	●	
	8	20	6,13					●	●	
	10	16	7,12					●		
38	1,5	35	1,37	●	●	●	●			
	2	34	1,8	●	●	●	●			
	2,5	33	2,22	●	●	●				
	2,6	32,8	2,31			●	●			
	3	32	2,63	●	●	●	●			
	4	30	3,41	●	●	●	●			
	5	28	4,13	●	●	●	●			
	6	26	4,81	●		●	●			
38,1	1,65	34,8	1,51	●						
	2,77	32,56	2,45	●						
40	1,5	37	1,45	●		●				
	2	36	1,9	●		●				
	2,5	35	2,35	●		●	●			
	3	34	2,78	●		●	●			
	3,5	33	3,2				●			
	4	32	3,61	●		●				
	5	30	4,38	●	●	●	●			
	6	28	5,58					●	●	
	7,5	25	6,67					●	●	
	10	20	8,21					●	●	
42	2	38	2	●	●	●	●			
	3	36	2,93	●		●	●			
42,2 1 1/4"	1,65 SCH5S	38,9	1,68	●						
	2,77 SCH10S	36,66	2,74	●	●	●	●			
	3,56 SCH40S/STD	35,08	3,45	●		●	●			
	4,85 SCH80S/XS	32,5	4,54	●		●				
	6,35 SCH160	29,5	5,7	●		●				
42,4	2	38,4	2,02	●	●	●	●			
	2,6	37,2	2,59	●	●	●	●			
	3,2	36	3,14	●	●	●	●			
	4,05	34,3	3,89	●	●	●	●			
43	1,5	40	1,56	●						
44	2	40	2,1	●		●				
44,5	2	40,5	2,13	●	●	●				
	2,6	39,3	2,73	●	●	●				
	2,9	38,7	3,02	●		●				
	3,2	38,1	3,31	●						
	4	36,5	4,06	●	●	●	●			
	5,5	33,5	5,37	●		●				
45	2,5	40	2,66	●		●				
	5	35	5,01	●						
	6,5	32	6,85					●	●	

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
45	8,5	28	8,49					●	●	
	10	25	9,58					●		
	12,5	20	11,12					●	●	
48,3	1,6	45,1	1,87	●		●				
	2	44,3	2,32	●	●	●	●			
	2,6	43,1	2,98	●	●	●	●			
	2,9	42,5	3,3	●		●				
	3,2	41,9	3,62	●	●	●	●			
	3,6	41,1	4,03	●	●	●	●			
	4,05	40,2	4,49	●	●	●	●			
	4,5	39,3	4,94	●	●	●	●			
	5	38,3	5,42	●		●				
	6,3	35,7	6,63	●	●	●	●			
	8	32,3	8,08	●		●	●			
48,3 1 1/2"	2,77 SCH10S/STD	42,76	3,16	●	●	●	●			
	3,68 SCH40S/STD	40,94	4,11	●	●	●	●			
	5,08 SCH80S/XS	38,14	5,5	●		●	●			
	7,14 SCH160	34,02	7,36	●		●				
	10,15 XXS	28	9,7	●		●				
50	1,5	47	1,82	●		●				
	2	46	2,41	●	●	●	●			
	2,5	45	2,98	●	●	●	●			
	3	44	3,53	●		●	●			
	5	40	5,64	●		●	●			
	5		6,16					●		
	6	38	6,61				●			
	7	36	8,24					●	●	
	9	32	10,1					●	●	
	11	28	11,74					●		
	12,5	25	12,83					●	●	
51	2,6	45,8	3,15	●		●				
	3,2	44,6	3,83	●						
	4	43	4,71	●		●				
	6,3	38,4	7,05	●		●				
54	2	50	2,61	●		●				
55	2,5	50	3,29	●		●				
	5	45	6,26	●		●	●			
56	8	40	10,51					●	●	
	10	36	12,59					●	●	
	12	32	14,45					●		
	14	28	16,1					●	●	
	18	20	18,72					●		
57	2	53	2,76	●		●	●			
	2,6	51,8	3,54	●	●		●			
	2,9	51,2	3,93	●	●	●	●			
	3,5	50	4,69	●	●	●	●			
	3,6	49,8	4,82	●	●	●				
	4	49	5,31	●		●				
	5	47	6,51	●		●				
	6,5	44	8,22	●						
60	5	50	6,89		●		●			
60,3	1,6	57,1	2,35	●		●				
	2	56,3	2,92	●	●	●	●			
	2,6	55,1	3,76	●	●	●	●			
	2,9	54,5	4,17	●	●	●	●			● NER 1.4539

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
60,3	3,2	53,9	4,58	●	●	●	●			
	3,6	53,1	5,11	●	●	●	●			
	4	52,3	5,64	●	●	●	●			
	4,5	51,3	6,29	●	●	●	●			
	5	50,3	6,93	●	●	●	●			
	5,6	49,1	7,67	●	●	●	●			
	6,3	47,7	8,52	●	●	●	●			
	7,1	46,1	9,46	●		●	●			
	10	40,3	12,6	●		●	●			
60,3 2"	2,77 SCH10S	54,76	3,99	●	●	●	●			
	3,91 SCH40S/STD	52,48	5,52	●	●	●	●			
	5,54 SCH80S/XS	49,22	7,6	●	●	●	●			
	8,74 SCH160	42,82	11,29	●	●	●	●			
	11,07 SCHXXS	38,16	13,65	●		●				
63	6,5	50	10,05					●	●	
	9	45	13,3					●	●	
	11,5	40	16,21					●	●	
	13,5	36	18,29					●	●	
	15,5	32	20,15					●	●	
63,5	2	59,5	3,08	●			●			
	2,5	58,5	3,82	●						
	3,6	56,3	5,4	●						
	4	55,5	5,96			●				
	8	47,5	11,12	●						
65	2,5	60	3,91	●		●				
68	4	60	6,41	●		●				
70	2	66	3,41	●		●	●			
	2,5	65	4,23	●		●				
	2,9	64,2	4,87	●		●				
	3	64	5,04		●	●				
	4	62	6,61	●	●	●	●			
	5	60	8,14	●		●	●			
	10	50	16,42					●		
71	7,5	56	13,04					●	●	
	10,5	50	17,39						●	
	13	45	20,64					●	●	
	15,5	40	23,55					●	●	
	17,5	36	25,63					●	●	
73 2 1/2"	2,11 SCH5S	68,78	3,75			●				
	3,05 SCH10S	66,9	5,34	●		●				
	5,16 SCH40S/STD	62,68	8,77	●		●	●			
	7,01 SCH80S/XS	58,98	11,59	●		●				
75	7,5	60	13,86					●		
	12,5	50	21,39					●	●	
	17,5	40	27,54					●	●	
76,1	2	72,1	3,71	●	●	●	●			
	2,6	70,9	4,79	●	●	●	●			
	2,9	70,3	5,32	●	●	●	●			
	3,2	69,7	5,84	●	●	●	●			
	3,6	68,9	6,54	●	●	●	●			
	4	68,1	7,22	●	●	●	●			
	4,5	67,1	8,07	●	●	●	●			

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
76,1	5	66,1	8,91	●	●	●	●			
	6,3	63,5	11,02	●	●	●	●			
	7,1	61,9	12,27				●			
	8	60,1	13,65	●		●	●			
	10	56,1	16,56	●		●	●			
	12,5	51,1	19,92	●		●	●			
80	2	76	3,91	●		●				
	2,5	75	4,85	●		●	●			
	4	72	7,62	●	●	●				
	5	70	9,39	●		●	●			
	8,5	63	16,64					●	●	
	12	56	22,34					●	●	
	15	50	26,69					●	●	
	17,5	45	29,94					●	●	
	20	40	32,85					●	●	
82,5	2,6	77,3	5,2			●				
	3,6	75,3	7,12			●				
84	2	80	4,11	●		●				
85	9	67	18,72					●	●	
	15	55	28,74					●	●	
	17,5	50	32,33					●		
	20	45	35,58					●	●	
88,9	2	84,9	4,35	●	●	●	●			
	2,3	84,3	4,99	●	●	●	●			
	2,6	83,7	5,62	●	●	●	●			
	2,9	83,1	6,25	●	●	●	●			
	3,2	82,5	6,87	●	●	●	●			
	3,6	81,7	7,69	●	●	●	●			
	4,05	80,8	8,61	●	●	●	●			
	4,5	79,9	9,51	●	●	●	●			
	5	78,9	10,51	●			●			
	5,6	77,7	11,69	●	●	●	●			
	6,3	76,3	13,04	●	●	●	●			
	14,2	60,5	26,57	●		●				
88,9 3"	3,05 SCH10S	82,8	6,56	●	●	●	●			
	5,49 SCH40S/STD	77,92	11,47	●	●	●	●			
	7,62 SCH80S/XS	73,66	15,52	●	●	●	●			
	11,13 SCH160	66,64	21,68	●		●				
	15,24 SCHXXS	58,42	28,12	●		●	●			
90	5	80	10,65	●		●				
	9,5	71	20,93					●	●	
	13,5	63	28,27					●	●	
	17	56	33,97					●	●	
	20	50	38,32					●	●	
95	5	85	11,27	●		●				
	10	75	23,27					●	●	
	14	67	31,04					●	●	
	22,5	50	44,65					●	●	
100	10	80	24,64					●	●	
	12,5	75	29,94					●	●	
	14,5	71	33,94					●	●	
	18,5	63	41,27					●	●	
	22	56	46,97					●	●	
101,6	3,6	94,4	8,84	●		●				
	4,05	93,5	9,9	●		●				
	5	91,6	12,1	●	●	●				

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
101,6 3 1/2"	3,05 SCH10S	95,5	7,53	●						
	5,74 SCH40S/STD	90,12	13,78	●		●	●			
	8,08 SCH80S	85,44	18,93	●	●	●				
105	2,5	100	6,42	●						
106	8	90	21,46					●		
	13	80	33,09					●	●	
	17,5	71	42,39					●	●	
	21,5	63	49,73					●	●	
	25	56	55,43					●	●	
108	2,9	102,2	7,64	●	●		●			
	3,2	101,6	8,4	●		●				
	3,6	100,8	9,42	●	●		●			
	4	100	10,42	●	●	●	●			
	5	98	12,9	●		●	●			
	6,3	95,4	16,05	●		●				
112	11	90	30,41					●	●	
	16	80	42,05					●	●	
	20,5	71	51,34					●	●	
	24,5	63	58,68					●	●	
114,3	2,6	109,1	7,28	●			●			
	3,6	107,1	9,98	●	●	●	●			
	4	106,3	11,05	●		●				
	4,5	105,3	12,38	●	●		●			
	5	104,3	13,69	●		●	●			
	6,3	101,7	17,04			●				
	7,1	100,1	19,07	●		●				
	20	74,3	47,24	●			●			
114,3 4"	3,05 SCH10S	108,2	8,5	●	●	●	●			
	6,02 SCH40S/STD	102,26	16,33	●	●	●	●			
	8,56 SCH80S/XS	97,18	22,67	●	●	●	●			
	11,13 SCH120	92,04	28,76	●		●				
	13,49 SCH160	87,32	34,07	●		●	●			
	17,12 SCHXXS	80,06	41,68	●		●	●			
118	11,5	95	33,52					●	●	
	14	90	39,86					●	●	
	19	80	51,49					●	●	
	23,5	71	60,79					●	●	
	27,5	63	68,12					●	●	
125	12,5	100	38,49					●	●	
	15	95	45,17					●		
	17,5	90	51,5					●	●	
	22,5	80	63,13					●	●	
	27	71	72,43					●	●	
	31	63	79,76					●		
127	4	119	12,33	●	●		●			
132	13	106	42,35					●	●	
	17	98	53,51					●	●	
	21	90	63,81					●	●	
	26	80	75,44					●	●	
	30,5	71	84,74					●	●	
133	4	125	12,93	●	●	●	●			
	5	123	16,03	●		●				

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
133	6,3	120,4	20	●	●		●			
	7,1	118,8	22,39	●		●				
139,7	4	131,7	13,6	●	●	●	●			
	5	129,7	16,87	●	●	●	●			
	6,3	127,1	21,05	●	●	●	●			
	7,1	125,5	23,58	●	●	●	●			
	20	99,7	59,97				●			
140	14	112	48,29					●	●	
	17	106	57,24					●	●	
	20	100	65,69					●	●	
	25	90	78,7					●	●	
	30	80	90,33					●	●	
141,3 5"	3,4 SCH10S	134,5	11,75	●		●				
	6,55 SCH40S	128,2	22,11	●	●	●	●			
	9,53 SCH80S	122,24	31,46	●	●	●	●			
	12,7 SCH120	115,9	40,91	●		●				
	15,88 SCH160	109,54	49,89	●						
150	12,5	125	47,05					●	●	
	16	118	58,69					●		
	19	112	68,13					●		
	22	106	77,08					●	●	
	27,5	95	92,21					●	●	
	35	80	110,18					●	●	
159	4,5	150	17,42	●	●	●	●			
	6,3	146,4	24,1	●	●	●	●			
160	14	132	55,95					●	●	
	16	128	63,07					●		
	19	122	73,33					●	●	
	20	120	76,64						●	
	24	112	89,34					●	●	
	35	90	119,76					●	●	
168,3	4	160,3	16,46	●						
	4,5	159,3	18,46	●	●	●	●			
	5	158,3	20,45	●	●	●	●			
	5,6	157,1	22,82	●		●				
	6,3	155,7	25,57	●		●				
	7,1	154,1	28,67	●	●	●	●			● NER 1.4462
	10	148,3	39,65	●		●				
	11	146,3	43,34	●	●	●	●			
168,3 6"	3,4 SCH10S	161,5	14,05	●	●	●				
	7,11 SCH40S/STD	154,08	28,71	●	●	●	●			● NER 1.4462
	10,97 SCH80S/XS	146,36	43,23	●	●	●	●			
	14,27 SCH120	139,76	55,06	●		●	●			
	18,26 SCH160	131,78	68,63	●		●	●			
170	15	140	63,64					●	●	
	20	130	82,12					●	●	
	26	118	102,48					●	●	
	30	110	114,97					●	●	
	32	106	120,88					●	●	
	35	100	129,34					●	●	
180	15	150	67,75					●	●	

A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	NER 1.4301 1.4306 1.4307 TP304 TP304L	NER 1.4541 1.4878 TP321 TP321H	NER 1.4404 1.4401 TP316L TP316	NER 1.4571 TP316Ti	EMR 1.4301 1.4306 TP304 TP304L	EMR 1.4404 1.4401 TP316L TP316	Sonderqualität Special steel grades and finish
180	20	140	87,59					●	●	
	25	130	106,07					●		
	27,5	125	114,79					●	●	
	40	100	153,29					●	●	
190	15	160	71,85					●	●	
	20	150	93,07					●	●	
	25	140	112,91					●	●	
	29	132	127,8					●	●	
	33,5	123	143,51						●	
	42	106	170,15					●	●	
200	15	170	75,96					●	●	
	20	160	98,54					●	●	
	25	150	119,76					●	●	
	30	140	139,6					●	●	
	44	112	187,89					●		
212	16	180	85,84					●	●	
	21	170	109,79					●	●	
	31	150	153,59					●	●	
	41	130	191,91					●	●	
219,1	6,3	206,5	33,58	●	●	●	●			
219,1 8"	3,76 SCH10S	211,58	20,28	●	●	●				
	6,35 SCH20	206,4	33,84	●	●	●	●			
	8,18 SCH40S/STD	202,74	43,22	●	●	●	●			
	10,31 SCH60	198,48	53,92	●						
	12,7 SCH80S/XS	193,7	65,66	●	●	●	●			
	15,09 SCH100	188,92	77,12			●				
	18,26 SCH120	182,58	91,87	●		●	●			
	23,01 SCH160	173,08	113,03			●				
224	22	180	121,64					●	●	
	27	170	145,6					●	●	
	32	160	168,18					●	●	
	42	140	209,24					●	●	
236	23	190	134,1					●	●	
	43	150	227,17					●	●	
240	35	170	196,4					●	●	
250	25	200	153,97					●	●	
273 10"	6,35 SCH20	260,3	42,42	●		●	●			
	9,27 SCH40S/STD	254,46	61,24	●		●				
	12,7 SCH80S/XS	247,6	82,81	●		●				
	15,09 SCH80	242,82	97,49	●						
	18,26 SCH100	236,48	116,52	●			●			
323,9 12"	9,53 SCH40S/STD	304,84	75,05	●		●				
	12,7 SCH80S/XS	298,5	99	●		●	●			
	14,2 SCH60	295,5	110,16	●		●				
355,6 14"	9,53 SCH30/40S/STD	336,54	82,62	●						
406,4 16"	12,7 SCH40/80S/XS	381	125,25	●		●				