



# präzisionsstahlrohre nach EN 10305 Teil 1+4 (nahtlos), Teil 2+3 (geschweißt)

## steel tubes for precision applications acc. to EN 10305 part 1+4 (seamless), part 2+3 (welded)

kg/m nur nach EN 10305 Teil 1/only acc. EN 10305 part 1  
 kg/m nach EN 10305 Teil 1+2 möglich/possible acc. EN 10305 part 1+2  
 kg/m nach EN 10305 Teil 1-3 möglich/possible acc. EN 10305 part 1-3

Außen-Ø Outside-Ø mm	Wandstärke in mm Wall thickness in mm																																
	0,5	0,8	1	1,2	1,5	1,8	2	2,2	2,5	2,8	3	3,5	4	4,5	5	5,5	6	7	8	9	10	12	14	16	18	20	22	25					
4	0,043	0,063	0,074	0,083																													
5	0,055	0,083	0,099	0,112																													
6	0,068	0,103	0,123	0,142	0,166	0,186	0,197																										
7	0,080	0,122	0,148	0,172	0,203	0,231	0,247																										
8	0,092	0,142	0,173	0,201	0,240	0,275	0,296	0,315	0,339																								
9	0,105	0,162	0,197	0,231	0,277	0,320	0,345	0,369	0,401	0,428																							
10	0,117	0,182	0,222	0,260	0,314	0,364	0,395	0,423	0,462	0,497	0,518																						
12	0,142	0,221	0,271	0,320	0,388	0,453	0,493	0,532	0,586	0,635	0,666	0,734	0,789																				
14	0,166	0,260	0,321	0,379	0,462	0,542	0,592	0,640	0,709	0,773	0,814	0,906	0,986	1,054																			
15	0,179	0,280	0,345	0,408	0,499	0,586	0,641	0,694	0,771	0,842	0,888	0,993	1,085	1,165	1,233																		
16	0,191	0,300	0,370	0,438	0,536	0,630	0,691	0,749	0,832	0,911	0,962	1,079	1,184	1,276	1,356	1,424	1,480																
18	0,216	0,339	0,419	0,497	0,610	0,719	0,789	0,857	0,956	1,050	1,110	1,252	1,381	1,498	1,603	1,695	1,776																
20	0,240	0,379	0,469	0,556	0,684	0,808	0,888	0,966	1,079	1,188	1,258	1,424	1,578	1,720	1,850	1,967	2,072	2,244															
22	0,265	0,418	0,518	0,616	0,758	0,897	0,986	1,074	1,202	1,326	1,406	1,597	1,776	1,942	2,096	2,238	2,368	2,589															
25	0,302	0,477	0,592	0,704	0,869	1,030	1,134	1,237	1,387	1,533	1,628	1,856	2,072	2,275	2,466	2,645	2,811	3,107	3,354														
26	0,314	0,497	0,617	0,734	0,906	1,074	1,184	1,291	1,449	1,602	1,702	1,942	2,170	2,386	2,589	2,781	2,959	3,280	3,551														
28	0,339	0,537	0,666	0,793	0,980	1,163	1,282	1,400	1,572	1,740	1,850	2,115	2,368	2,608	2,836	3,052	3,255	3,625	3,946														
30	0,364	0,576	0,715	0,852	1,054	1,252	1,381	1,508	1,695	1,878	1,998	2,287	2,565	2,830	3,083	3,323	3,551	3,971	4,340	4,661	4,932												
32	0,388	0,616	0,765	0,911	1,128	1,341	1,480	1,617	1,819	2,016	2,146	2,460	2,762	3,052	3,329	3,594	3,847	4,316	4,735	5,105	5,426												
35	0,425	0,675	0,838	1,000	1,239	1,474	1,628	1,780	2,004	2,223	2,368	2,719	3,058	3,385	3,699	4,001	4,291	4,834	5,327	5,771	6,165												
38	0,462	0,734	0,912	1,089	1,350	1,607	1,776	1,942	2,189	2,431	2,589	2,978	3,354	3,718	4,069	4,408	4,735	5,352	5,919	6,437	6,905												
40	0,486	0,773	0,962	1,148	1,424	1,696	1,874	2,051	2,312	2,569	2,737	3,151	3,551	3,940	4,316	4,680	5,031	5,697	6,313	6,881	7,398												
42			1,011	1,207	1,498	1,785	1,973	2,159	2,435	2,707	2,885	3,323	3,749	4,162	4,562	4,951	5,327	6,042	6,708	7,324	7,892												
45			1,085	1,296	1,609	1,918	2,121	2,322	2,620	2,914	3,107	3,582	4,044	4,495	4,932	5,358	5,771	6,560	7,300	7,990	8,632												
48			1,159	1,385	1,720	2,051	2,269	2,485	2,805	3,121	3,329	3,841	4,340	4,827	5,302	5,765	6,215	7,078	7,892	8,656	9,371												
50			1,208	1,444	1,794	2,140	2,368	2,593	2,929	3,259	3,477	4,014	4,538	5,049	5,549	6,036	6,511	7,423	8,286	9,100	9,865												
55			1,332	1,592	1,979	2,362	2,614	2,865	3,237	3,605	3,847	4,445	5,031	5,604	6,165	6,714	7,250	8,286	9,273	10,210	11,098	12,725											
60			1,455	1,740	2,164	2,584	2,861	3,136	3,545	3,950	4,217	4,877	5,524	6,159	6,782	7,392	7,990	9,149	10,259	11,320	12,331	14,205											
65			1,578	1,888	2,349	2,805	3,107	3,407	3,853	4,295	4,587	5,308	6,017	6,714	7,398	8,070	8,730	10,013	11,246	12,429	13,564	15,685	17,608										
70			1,702	2,036	2,534	3,027	3,354	3,679	4,162	4,640	4,957	5,740	6,511	7,269	8,015	8,749	9,470	10,876	12,232	13,539	14,797	17,164	19,335										
75			1,825	2,184	2,719	3,249	3,601	3,950	4,470	4,986	5,327	6,172	7,004	7,824	8,632	9,427	10,210	11,739	13,219	14,649	16,030	18,644	21,061	23,280									
80			1,948	2,332	2,904	3,471	3,847	4,221	4,778	5,331	5,697	6,603	7,497	8,379	9,248	10,105	10,950	12,602	14,205	15,759	17,263	20,124	22,787	25,253									
85					3,089	3,693	4,094	4,492	5,086	5,676	6,067	7,035	7,990	8,934	9,865	10,783	11,690	13,465	15,191	16,868	18,496	21,603	24,514	27,226									
90					3,274	3,915	4,340	4,764	5,395	6,021	6,437	7,466	8,484	9,489	10,481	11,461	12,429	14,328	16,178	17,978	19,729	23,083	26,240	29,199									
95							4,587	5,035	5,703	6,367	6,807	7,898	8,977	10,043	11,098	12,140	13,169	15,191	17,164	19,088	20,962	24,563	27,966	31,172	34,181								
100							4,834	5,306	6,011	6,712	7,176	8,329	9,470	10,598	11,714	12,818	13,909	16,055	18,151	20,198	22,195	26,043	29,692	33,145	36,400								
110							5,327	5,849	6,628	7,402	7,916	9,193	10,456	11,708	12,947	14,174	15,389	17,781	20,124	22,417	24,662	29,002	33,145	37,091	40,839								
120							5,820	6,391	7,244	8,093	8,656	10,056	11,443	12,818	14,180	15,531	16,868	19,507	22,097	24,637	27,128	31,961	36,598	41,037	45,279								
130									7,861	8,783	9,396	10,919	12,429	13,928	15,413	16,887	18,348	21,234	24,070	26,856	29,594	34,921	40,050	44,983	49,718								
140									8,477	9,474	10,136	11,782	13,416	15,037	16,647	18,243	19,828	22,960	26,043	29,076	32,060	37,880	43,503	48,928	54,157								
150											10,876	12,645	14,402	16,147	17,880	19,600	21,308	24,686	28,015	31,295	34,526	40,839	46,955	52,874	58,596	64,120							
160											11,616	13,508	15,389	17,257	19,113	20,956	22,787	26,412	29,988	33,515	36,992	43,799	50,408	56,820	63,035	69,052							
170											12,355	14,371	16,375	18,367	20,346	22,312	24,267	28,139	31,961	35,735	39,458	46,758	53,861	60,766	67,474	73,985							
180												15,235	17,362	19,476	21,579	23,669	25,747	29,865	33,934	37,954	41,925	49,718	57,313	64,712	71,913	78,917							
190												16,098	18,348	20,586	22,812	25,025	27,226	31,591	35,907	40,174	44,391	52,677	60,766	68,658	76,352	83,849	91,149						
200												16,961	19,335	21,696	24,045	26,382	28,706	33,318	37,880	42,393	46,857	55,636	64,219	72,603	80,791	88,781	96,574						
220												23,915	26,511	29,094	31,665	34,226	36,770	41,826	46,832	51,789	56,655	61,555	71,124	80,495	89,669	98,646	107,425	120,225					
240												26,135	28,977	31,807	34,625	37,432	40,223	45,772	51,271	56,721	62,124	67,474	78,029	88,387	98,547	108,511	118,277	132,556					
260												28,355	31,443	34,520	37,584	40,636	43,676	49,718	55,710	61,654	67,543	73,373	84,934	96,278	107,425	118,375	129,128	144,886					

**Mechanische Eigenschaften bei Raumtemperatur**  
 Mechanical properties at room temperature

Stahlsorte Steel grade		Mindestwerte für den Lieferzustand											
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