PRECISION TUBES
TUBI DI PRECISIONE

EN 10305-3 S1, S2, S3, S4

Marcegaglia is able to supply the widest offer in the world of **welded and cold sized steel tubes for precision** applications EN 10305-3 and EN 10305-5, to meet the needs of each market segment.

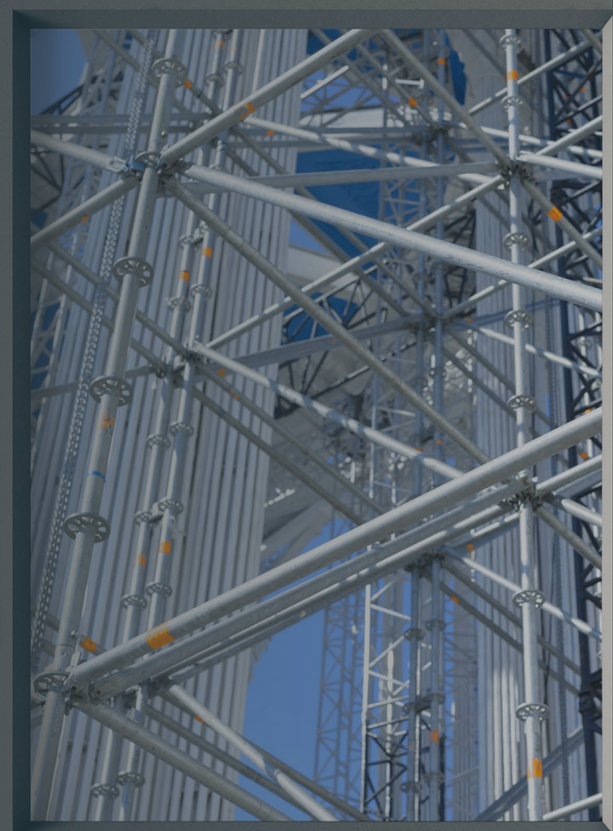
With great versatility and flexibility, Marcegaglia precision tubes allow to respond to the needs of specific uses such as radiators, winding cores, greenhouses, windows, fences, furnishings, sport equipments, automotive, mechanical industry and many others.

The range is divided into round, square, rectangular, oval, elliptical, triangular and semi-oval tubes and is completed by a very wide range of special shapes, with the possibility of customizing on customer needs.

*Marcegaglia è in grado di fornire la più ampia offerta al mondo di **tubi d'acciaio saldati e calibrati a freddo per impieghi di precisione** EN 10305-3 e EN 10305-5, per soddisfare le esigenze di ogni segmento di mercato.*

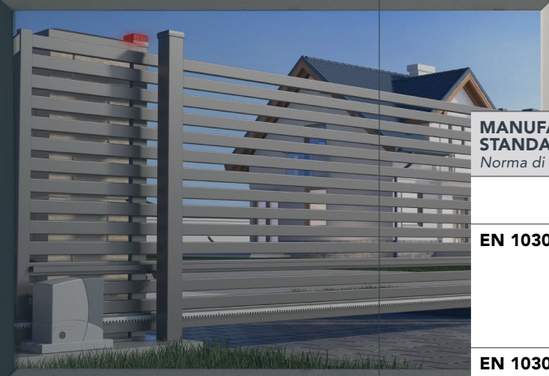
Con grande versatilità e flessibilità, i tubi di precisione Marcegaglia consentono di interpretare e rispondere alle necessità di specifici utilizzi quali radiatori, rullistica, serre, serramenti, recinzioni, arredamento, attrezzature sportive, automotive, industria meccanica e molti altri.

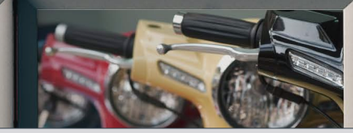
La gamma si articola in tubi tondi, quadrati, rettangolari, ovali, ellittici, triangolari e semiovali ed è completata da un amplissimo sagomario di forme speciali, con la possibilità di customizzazione su esigenze del cliente.

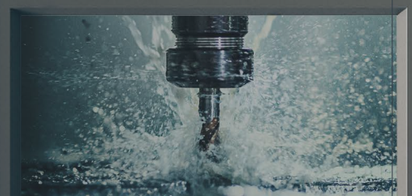


DIMENSIONAL RANGE - *GAMMA DIMENSIONALE*

MIN. OUTSIDE DIAMETER - *DIAMETRO ESTERNO MIN.*	**8 mm**
MAX. OUTSIDE DIAMETER - *DIAMETRO ESTERNO MAX.*	**406,4 mm**
MIN. THICKNESS - *SPESSORE MIN.*	**0,3 mm**
MAX. THICKNESS - *SPESSORE MAX.*	**16 mm**







MANUFACTURING STANDARD *Norma di fabbricazione*	PRODUCT DESIGNATION *Designazione prodotto*	TREATMENT *Tipologie di trattamento*	GRADE* *Qualità*	SURFACE CONDITIONS *Condizioni superficiali*
EN 10305-3	Round and shaped welded and cold sized steel tubes for precision applications *Tubi di acciaio tondi e speciali, saldati e calibrati a freddo per impieghi di precisione*	**+CR1** Welded and sized *Saldato e calibrato a freddo* **+CR2** Welded and sized *Saldato e calibrato a freddo* **+A** Annealed - *Ricotto* **+N** Normalized *Normalizzato*	E155, E190 E195, E220 E235, E260 E275, E320 E355, E370 E420, E460 E500, E550 E600, E700 **E780,E980** *(Marcegaglia Standards)*	**S1** From hot-rolled strip, black *Da nastro laminato a caldo nero* **S2** From hot-rolled strip, pickled *Da nastro laminato a caldo decapato* **S3** From cold-rolled strip *Da nastro laminato a freddo* **S4** From coated strip *Da nastro rivestito secondo condizioni stabilite*
EN 10305-5	Square and rectangular welded and cold sized steel tubes for precision applications *Tubi di acciaio di sezione quadrata e rettangolare, saldati e calibrati a freddo per impieghi di precisione*			

Marcegaglia Carbon Steel

weight kg/m

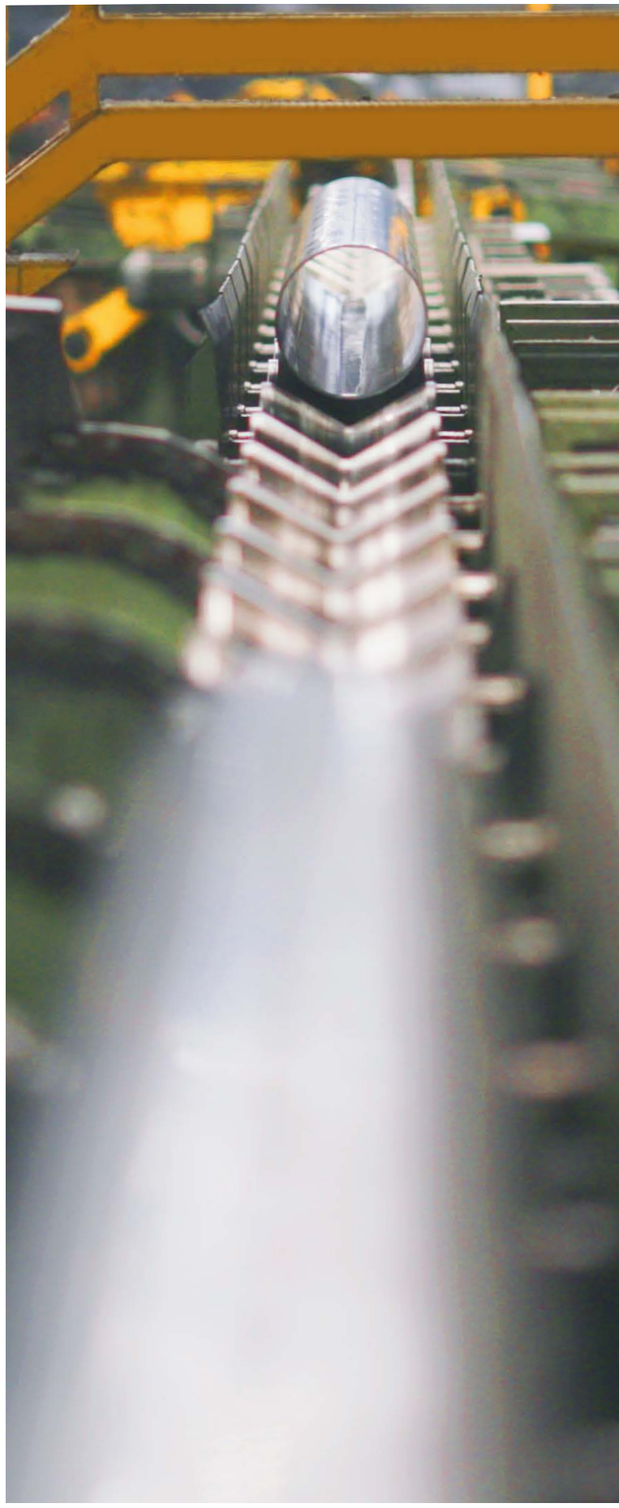
ROUND TUBES
Tubi tondi

EN 10305-3 S1, S2, S3, S4

outside diameter mm	wall thickness mm															
	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3
8			0,092	0,109	0,126	0,142	0,158	0,173	0,187	0,201	0,228					
9				0,124	0,143	0,162	0,180	0,197	0,214	0,231	0,262					
9,8				0,136	0,157	0,178	0,198	0,217	0,236	0,254	0,290					
10			0,117	0,139	0,161	0,181	0,202	0,222	0,241	0,260	0,297	0,314				
10,4			0,122	0,145	0,167	0,189	0,211	0,232	0,252	0,272	0,311	0,329				
11			0,129	0,154	0,178	0,201	0,224	0,247	0,269	0,290	0,331	0,351				
12			0,142	0,169	0,195	0,221	0,246	0,271	0,296	0,320	0,366	0,388				
12,7			0,150	0,179	0,207	0,235	0,262	0,288	0,315	0,340	0,390	0,414				
13			0,154	0,183	0,212	0,241	0,269	0,296	0,323	0,349	0,400	0,425	0,497			
13,5			0,160	0,191	0,221	0,251	0,280	0,308	0,336	0,364	0,418	0,444	0,519			
14	0,311	0,134	0,166	0,198	0,230	0,260	0,291	0,321	0,350	0,379	0,435	0,462	0,541	0,592		
15	0,109	0,144	0,179	0,213	0,247	0,280	0,313	0,345	0,377	0,408	0,469	0,499	0,586	0,641		
16	0,116	0,154	0,191	0,228	0,264	0,300	0,335	0,370	0,404	0,438	0,504	0,536	0,630	0,690	0,832	
16,75	0,122	0,161	0,200	0,239	0,277	0,315	0,352	0,388	0,424	0,460	0,530	0,564	0,664	0,727	0,878	
17	0,124	0,164	0,203	0,243	0,281	0,320	0,357	0,395	0,431	0,467	0,539	0,573	0,675	0,740	0,894	
17,20		0,166	0,206	0,246	0,285	0,323	0,362	0,399	0,437	0,473	0,545	0,581	0,683	0,750	0,906	
17,5	0,127	0,169	0,210	0,250	0,290	0,329	0,368	0,407	0,445	0,482	0,556	0,592	0,697	0,764	0,925	
18	0,131	0,174	0,216	0,257	0,299	0,339	0,379	0,419	0,458	0,497	0,573	0,610	0,719	0,789	0,955	
18,2	0,132	0,176	0,218	0,260	0,302	0,343	0,384	0,424	0,464	0,503	0,580	0,618	0,728	0,799	0,968	
19,8	0,144	0,191	0,238	0,284	0,330	0,375	0,419	0,464	0,507	0,550	0,635	0,677	0,799	0,878	1,066	
20	0,146	0,193	0,240	0,287	0,333	0,379	0,424	0,468	0,513	0,556	0,642	0,684	0,808	0,888	1,079	
20,15	0,147	0,195	0,242	0,289	0,336	0,382	0,427	0,472	0,517	0,561	0,647	0,690	0,814	0,895	1,088	
21	0,153	0,203	0,253	0,302	0,350	0,398	0,446	0,493	0,540	0,586	0,677	0,721	0,852	0,937	1,140	
21,25	0,155	0,206	0,256	0,305	0,355	0,403	0,452	0,499	0,547	0,593	0,685	0,730	0,863	0,949	1,156	1,350
21,6			0,260	0,311	0,361	0,410	0,459	0,508	0,556	0,604	0,697	0,743	0,879	0,967	1,177	
21,8			0,263	0,314	0,365	0,415	0,465	0,514	0,563	0,611	0,706	0,888	0,976	1,190	1,391	
22			0,265	0,317	0,368	0,418	0,468	0,518	0,567	0,615	0,711	0,758	0,897	0,986	1,202	1,405
22,6			0,272	0,325	0,378	0,430	0,482	0,533	0,583	0,633	0,732	0,780	0,923	1,016	1,239	
22,8			0,275	0,328	0,381	0,434	0,486	0,538	0,589	0,639	0,739	0,788	0,932	1,026	1,251	
23			0,277	0,331	0,385	0,438	0,490	0,542	0,594	0,645	0,746	0,795	0,941	1,036	1,264	1,479
23,5			0,284	0,339	0,394	0,448	0,502	0,555	0,608	0,660	0,763	0,814	0,963	1,060	1,294	
24			0,290	0,346	0,402	0,458	0,513	0,567	0,621	0,675	0,780	0,832	0,985	1,085	1,325	
24,2			0,292	0,349	0,406	0,462	0,517	0,572	0,627	0,681	0,787	0,840	0,994	1,095	1,338	
24,6			0,297	0,355	0,413	0,469	0,526	0,582	0,637	0,692	0,801	0,854	1,012	1,114	1,362	
24,7			0,298	0,357	0,414	0,471	0,528	0,584	0,640	0,695	0,804	0,858	1,016	1,119	1,368	
25			0,302	0,361	0,419	0,477	0,535	0,592	0,648	0,704	0,815	0,869	1,030	1,134	1,387	1,627
25,1			0,303	0,362	0,421	0,479	0,537	0,594	0,651	0,707	0,818	0,873	1,034	1,139	1,393	1,635
25,4			0,307	0,367	0,426	0,485	0,544	0,602	0,659	0,716	0,828	0,884	1,047	1,154	1,412	1,657
26			0,314	0,376	0,437	0,497	0,557	0,616	0,675	0,734	0,849	0,906	1,074	1,184	1,449	1,701
26,2				0,379	0,440	0,501	0,561	0,621	0,681	0,740	0,856	0,914	1,083	1,193	1,461	
26,6				0,385	0,447	0,509	0,570	0,631	0,692	0,752	0,870	0,928	1,101	1,213	1,486	
26,75				0,387	0,450	0,512	0,574	0,635	0,696	0,756	0,875	0,934	1,107	1,221	1,495	1,757
26,9				0,389	0,452	0,515	0,577	0,639	0,700	0,760	0,880	0,939	1,114	1,228	1,504	1,768
27				0,391	0,454	0,517	0,579	0,641	0,702	0,763	0,884	0,943	1,118	1,233	1,510	1,775
28				0,405	0,471	0,537	0,601	0,666	0,730	0,793	0,918	0,980	1,163	1,282	1,572	1,849
28,57				0,414	0,481	0,548	0,614	0,680	0,745	0,810	0,938	1,001	1,188	1,310	1,607	
29				0,420	0,488	0,556	0,624	0,690	0,757	0,823	0,953	1,017	1,207	1,331	1,634	1,923
29,2				0,423	0,492	0,560	0,628	0,695	0,762	0,828	0,960	1,024	1,216	1,341	1,646	
29,5				0,428	0,497	0,566	0,635	0,703	0,770	0,837	0,970	1,036	1,229	1,356	1,664	
30				0,435	0,506	0,576	0,646	0,715	0,784	0,852	0,987	1,054	1,252	1,381	1,695	1,997
31				0,450	0,523	0,596	0,668	0,740	0,811	0,882	1,022	1,091	1,296	1,430	1,757	
31,2												1,098	1,305	1,440	1,769	2,086
31,6				0,459	0,533	0,608	0,681	0,754	0,827	0,899	1,042	1,113	1,323	1,460	1,794	
32				0,465	0,540	0,615	0,690	0,764	0,838	0,911	1,056	1,128	1,340	1,479	1,818	2,145
33				0,479	0,557	0,635	0,712	0,789	0,865	0,941	1,091	1,165	1,385	1,529	1,880	2,219
33,4 - 1N*					0,564	0,643	0,721	0,799	0,876	0,953	1,105	1,180	1,402	1,548	1,905	2,249
33,7					0,570	0,649	0,728	0,806	0,884	0,962	1,115	1,191	1,416	1,563	1,923	2,271
34					0,575	0,655	0,735	0,814	0,892	0,970	1,125	1,202	1,429	1,578	1,942	2,293
35					0,592	0,675	0,757	0,838	0,919	1,000	1,160	1,239	1,473	1,627	2,003	2,367
35,5												1,257	1,496	1,652	2,034	2,404
36						0,694	0,779	0,863	0,947	1,030	1,194	1,276	1,518	1,677	2,065	2,441
37						0,714	0,801	0,888	0,974	1,059	1,229	1,313	1,562	1,726	2,127	
37,4						0,722	0,810	0,898	0,985	1,071	1,243	1,328	1,580	1,746	2,151	
39						0,754	0,845	0,937	1,028	1,118	1,298	1,387	1,651	1,825	2,250	2,663
39,5												1,405	1,673	1,849	2,281	2,700
39,7						0,767	0,861	0,954	1,047	1,139	1,322	1,413	1,682	1,859	2,293	2,715

outside diameter mm	wall thickness mm								
	3,3	3,7	4	4,2	4,5	4,7	5	5,6	6
28	2,010	2,217	2,367						
29	2,091	2,308	2,466						
30	2,173	2,399	2,564						
31,2	2,270	2,509	2,683	2,796	2,963	3,071	3,230	3,535	
32	2,335	2,582	2,762	2,879	3,051	3,164	3,329	3,645	
33	2,417	2,673	2,860	2,982	3,162	3,280	3,452	3,783	3,994
33,4 - 1N*	2,449	2,710	2,900	3,024	3,207	3,326	3,501	3,839	4,054
33,7	2,474	2,737	2,929	3,055	3,240	3,361	3,538	3,880	4,098
35	2,579	2,855	3,057						
35,5	2,620	2,901	3,107						
36	2,661	2,947	3,156	3,293	3,495	3,627	3,822	4,198	4,438
39	2,905	3,220	3,452	3,604	3,828	3,975	4,192	4,612	4,882
39,5	2,945	3,266	3,501	3,656	3,883	4,033	4,253	4,681	4,956

*N: nominal pipe size



weight kg/m

ROUND TUBES
Tubi tondi

EN 10305-3 S1, S2, S3, S4

outside diameter mm	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3	3,3	3,7	4	4,2	4,5
40	0,773	0,868	0,962	1,055	1,148	1,332	1,424	1,695	1,874	2,312	2,737	2,986	3,312	3,551	3,707	3,939
41	0,793	0,890	0,986	1,082	1,178	1,367	1,461	1,740	1,923	2,373	2,811					
41,3	0,799	0,897	0,994	1,090	1,186	1,377	1,472	1,753	1,938	2,392	2,833					
41,5	0,803	0,901	0,999	1,096	1,192	1,384	1,479	1,762	1,948	2,404	2,848					
42	0,813	0,912	1,011	1,109	1,207	1,401	1,498	1,784	1,973	2,435	2,885	3,149	3,494	3,748	3,914	4,161
42,4							1,513	1,802	1,992	2,460	2,914	3,181	3,531	3,787	3,956	4,205
43	0,832	0,934	1,036	1,136	1,237	1,436	1,535	1,829	2,022	2,496	2,959	3,230	3,585	3,846		
44	0,852	0,956	1,060	1,164	1,266	1,471	1,572	1,873	2,071	2,558	3,033					
44,5							1,590	1,895	2,096	2,589	3,070	3,352	3,722	3,994	4,173	4,438
44,6	0,864	0,970	1,075	1,180	1,284	1,491	1,594	1,900	2,101	2,595	3,077					
45	0,872	0,979	1,085	1,191	1,296	1,505	1,609	1,917	2,120	2,620	3,107	3,393	3,768	4,044	4,225	4,494
46	0,892	1,001	1,110	1,218	1,326	1,540	1,646	1,962	2,170	2,681	3,181					
46,7	0,905	1,016	1,127	1,237	1,346	1,564	1,672	1,993	2,204	2,725	3,232					
47							1,683	2,006	2,219	2,743	3,255	3,556	3,950	4,241	4,432	4,716
47,6	0,923	1,036	1,149	1,261	1,373	1,595	1,705	2,033	2,249	2,780	3,299					
48	0,931	1,045	1,159	1,272	1,385	1,609	1,720	2,050	2,268	2,805	3,329	3,637	4,041	4,340	4,536	4,827
48,3							1,731	2,064	2,283	2,823	3,351	3,662	4,069	4,369	4,567	4,860
48,5							1,738	2,073	2,293	2,836	3,366	3,678	4,087	4,389	4,588	4,882
49,3	0,957	1,074	1,191	1,307	1,423	1,653	1,768	2,108	2,333	2,885	3,425					
49,7	0,965	1,083	1,201	1,318	1,435	1,667	1,783	2,126	2,352	2,909	3,454					
50	0,970	1,090	1,208	1,326	1,444	1,678	1,794	2,139	2,367	2,928	3,477	3,800	4,224	4,537	4,743	5,048
52			1,257	1,381	1,503	1,747	1,868	2,228	2,466	3,051	3,625	3,963	4,406	4,734	4,950	5,270
53			1,282	1,408	1,533	1,781	1,905	2,272	2,515	3,113	3,699	4,044	4,498	4,833	5,054	5,381
54			1,307	1,435	1,562	1,816	1,942	2,317	2,564	3,175	3,772	4,125	4,589	4,931	5,157	5,492
54,50							1,960	2,339	2,589	3,205	3,809	4,166	4,634	4,981	5,209	5,548
55			1,331	1,462	1,592	1,850	1,979	2,361	2,614	3,236	3,846	4,207	4,680	5,030	5,261	5,603
56			1,356	1,489	1,621	1,885	2,016	2,406	2,663	3,298	3,920	4,288	4,771	5,129	5,364	5,714
57			1,381	1,516	1,651	1,919	2,053	2,450	2,712	3,359	3,994	4,369	4,863	5,227	5,468	5,825
58			1,405	1,543	1,681	1,954	2,090	2,494	2,762	3,421	4,068					
59			1,430	1,570	1,710	1,988	2,127	2,539	2,811	3,483	4,142					
60			1,455	1,598	1,740	2,023	2,164	2,583	2,860	3,544	4,216	4,614	5,136	5,523	5,779	6,158
60,30 - 2N*							2,175	2,596	2,875	3,563	4,238	4,638	5,164	5,553	5,810	6,191
61							2,201	2,627	2,909	3,606	4,290	4,695	5,227	5,622		
62							2,238	2,672	2,959	3,668	4,364	4,776	5,319	5,720	5,986	6,380
62,7			1,521	1,671	1,820	2,116	2,263	2,703	2,993	3,711	4,416					
63			1,529	1,679	1,829	2,126	2,275	2,716	3,008	3,729	4,438	4,858	5,410	5,819	6,089	6,491
63,50				1,692	1,843	2,144	2,293	2,738	3,033	3,760	4,475					
65				1,733	1,888	2,195	2,349	2,805	3,107	3,853	4,586	5,020	5,592	6,016	6,296	6,713
66				1,760	1,917	2,230	2,386	2,849	3,156	3,914	4,660					
66,30							2,397	2,863	3,171	3,933	4,682	5,126	5,711	6,144	6,431	6,857
68				1,814	1,976	2,299	2,460	2,938	3,255	4,038	4,808	5,264	5,866	6,312	6,607	7,046
70				1,869	2,036	2,368	2,533	3,027	3,353	4,161	4,956	5,427	6,049	6,509	6,814	7,268
70,5							2,552	3,049	3,378	4,192	4,993	5,468	6,094	6,559	6,866	7,323
72				1,923	2,095	2,437	2,607	3,116	3,452	4,284	5,104	5,590	6,231	6,707	7,021	7,489
73				1,950	2,124	2,472	2,644	3,160	3,501	4,346	5,178	5,671	6,322	6,805	7,125	7,600
75				2,004	2,184	2,541	2,718	3,249	3,600	4,469	5,326	5,834	6,505	7,003	7,332	7,822
76				2,031	2,213	2,575	2,755	3,293	3,649	4,531	5,400	5,915	6,596	7,101	7,435	7,933
76,1							2,759	3,298	3,654	4,537	5,407	5,924	6,605	7,111	7,446	7,944
80				2,140	2,332	2,713	2,903	3,471	3,846	4,777	5,696	6,241	6,961	7,496	7,850	8,377
80,5							2,922	3,493	3,871	4,808	5,733	6,282	7,006	7,545	7,901	8,433
82							2,977	3,559	3,945	4,901	5,844	6,404	7,143	7,693	8,057	8,599
82,5							2,996	3,582	3,970	4,931	5,881	6,444	7,189	7,742	8,109	8,655
83							3,014	3,604	3,994	4,962	5,918	6,485	7,235	7,792	8,160	8,710
87								3,781	4,192	5,209	6,213	6,810	7,599	8,186	8,575	9,154
89				2,384	2,598	3,024	3,236	3,870	4,290	5,332	6,361	6,973	7,782	8,383	8,782	9,376
90				2,411	2,627	3,058	3,273	3,914	4,340	5,394	6,435	7,055	7,873	8,482	8,885	9,487
90,5							3,292	3,937	4,364	5,424	6,472	7,095	7,919	8,531	8,937	9,542
95								4,136	4,586	5,702	6,805	7,461	8,329	8,975	9,403	10,041
96									4,635	5,764	6,879	7,543	8,421	9,074	9,507	10,152
100								4,358	4,833	6,010	7,175	7,868	8,785	9,468	9,921	10,596
108								4,713	5,227	6,503	7,767	8,519	9,515	10,257	10,749	11,484
110								4,802	5,326	6,626	7,915	8,682	9,698	10,454	10,956	11,706
112								4,891	5,424	6,750	8,063	8,845	9,880	10,652	11,164	11,928
115									5,572	6,935	8,285	9,089	10,154	10,948	11,474	12,261
120									5,819	7,243	8,655	9,496	10,610	11,441	11,992	12,815

outside diameter mm	4,7	5	5,6	6	6,3	6,6	7	7,6	8	8,6	9	9,6	10	10,5	11	11,5	12	12,5	13
40	4,091	4,315	4,750	5,030	5,235														
41																			
41,3																			
41,5																			
42	4,323	4,561	5,026	5,326	5,546														
42,4	4,369	4,611	5,081	5,385	5,608														
43																			
44																			
44,5	4,612	4,870	5,371	5,696															
44,6																			
45	4,670	4,931	5,440	5,770	6,012	6,249													
46																			
46,7																			
47	4,902	5,178	5,716	6,066	6,322	6,574													
47,6																			
48	5,018	5,301	5,854	6,213	6,478	6,737	7,076	7,571	7,890										
48,3	5,053	5,338	5,896	6,258	6,524	6,786	7,128	7,627	7,949										
48,5	5,076	5,363	5,924	6,287	6,555	6,819	7,163	7,664	7,989										
49,3																			
49,7																			
50	5,250	5,548	6,131	6,509	6,788	7,063	7,422	7,945	8,285										
52	5,481	5,794	6,407	6,805	7,099	7,388	7,767	8,320	8,679										
53	5,597	5,918	6,545	6,953	7,254	7,551	7,939	8,508	8,876										
54	5,713	6,041	6,683	7,101	7,410	7,714	8,112	8,695	9,074										
54,50	5,771	6,103	6,752	7,175	7,487	7,795	8,198	8,789	9,172										
55	5,829	6,164	6,821	7,249	7,565	7,876	8,285	8,882	9,271										
56	5,945	6,287	6,959	7,397	7,720	8,039	8,457	9,070	9,468										
57	6,061	6,411	7,097	7,545															
58																			
59																			
60	6,409	6,781	7,511	7,989	8,342	8,690	9,148	9,819	10,257	10,899	11,317	11,930	12,328						
60,30 - 2N*	6,443	6,818	7,553	8,033	8,388	8,739	9,199	9,876	10,316	10,963	11,384	12,001	12,402						
61																			
62	6,640	7,027	7,788	8,285	8,652	9,015	9,493	10,194	10,652	11,323	11,761	12,403	12,821						
62,7																			
63	6,756	7,150	7,926	8,433	8,808	9,178	9,665	10,381	10,849	11,535	11,983	12,640	13,068						
63,50																			
65	6,988	7,397	8,202	8,728	9,118	9,504	10,011	10,756	11,243	11,959	12,427	13,113	13,561						
66																			
66,30	7,139	7,557	8,381	8,921															
68	7,336	7,767	8,616	9,172	9,584	9,992	10,528	11,318	11,835	12,596	13,093	13,824	14,301						
70	7,567	8,013	8,892	9,468	9,895	10,317	10,874	11,693	12,230	13,020	13,537	14,297	14,794	15,404	16,002	16,588			
70,5	7,625	8,075	8,961	9,542	9,973	10,399	10,960	11,787	12,328	13,126	13,647	14,415	14,917	15,534	16,138	16,730			
72	7,799	8,260	9,168	9,764	10,206	10,643	11,219	12,068	12,624	13,444	13,980	14,770	15,287	15,922	16,545	17,155	17,753	18,338	18,912
73	7,915	8,383	9,306	9,912															
75	8,147	8,630	9,583	10,208	10,672	11,131	11,737	12,630	13,216	14,080	14,646	15,480	16,027						
76	8,263	8,753	9,721	10,356	10,827	11,294	11,909	12,818	13,413	14,292	14,868	15,717	16,273						
76,1	8,274	8,765	9,734	10,371	10,843	11,310	11,926	12,836	13,433	14,313	14,890	15,741	16,298						
80	8,726	9,246	10,273	10,948	11,448	11,945	12,600	13,567	14,202	15,140	15,756	16,664	17,260						
80,5	8,784	9,308	10,342	11,022	11,526	12,026	12,686	13,661	14,301	15,246	15,867	16,782	17,383						
82	8,958	9,493	10,549	11,243	11,759	12,270	12,945	13,942	14,597	15,564	16,199	17,137	17,753						
82,5	9,016	9,554	10,618	11,317	11,837	12,352	13,031	14,036	14,695	15,670	16,310	17,256	17,876	18,640	19,392	20,132	20,860	21,575	22,277
83	9,074	9,616	10,687	11,391	11,914	12,433	13,117	14,129	14,794	15,776	16,421	17,374	17,999	18,770	19,528	20,274	21,008	21,729	22,438
87	9,537	10,109	11,240	11,983															
89	9,769	10,356	11,516	12,279	12,846	13,409	14,153	15,254	15,978	17,049	17,753	18,794	19,479	20,323	21,155	21,975	22,783	23,578	24,361
90	9,885	10,479	11,654	12,427	13,002	13,572	14,326	15,441	16,175	17,261	17,975	19,031	19,725	20,582	21,427	22,259	23,079	23,886	24,681
90,5	9,943	10,541	11,723	12,501	13,079	13,653	14,412	15,535	16,273	17,367	18,086	19,149	19,849	20,712	21,562	22,401	23,227	24,040	24,842
95	10,465	11,096	12,344	13,167	13,778	14,386	15,189	16,378	17,161	18,321	19,084	20,215							
96	10,580	11,219	12,482	13,315	13,934	14,548	15,361	16,565	17,358	18,533	19,306	20,451							
100	11,044	11,712	13,035	13,906	14,555	15,199	16,052	17,315	18,147	19,381	20,194	21,398	22,191	23,171	24,139	25,094	26,037	26,968	27,887
108	11,971	12,698	14,139	15,090	15,798	16,501	17,432	18,814	19,725	21,078	21,969	23,292	24,164	25,242	26,309	27,363	28,405	29,434	30,451
110	12,203	12,945	14,415	15,386	16,108	16,827	17,777	19,189	20,120	21,502	22,413	23,765	24,657	25,760	26,851	27,930	28,996	30,050	31,092
112	12,435	13,191	14,691	15,682	16,419	17,152	18,123												
115	12,782	13,561	15,106	16,125	16,885	17,640	18,640	20,126	21,106	22,562	23,522	24,949	25,890	27,055	28,207	29,348	30,476	31,591	32,695
120	13,362	14,178	15,796	16,865	17,662	18,454	19,503	21,063	22,092	23,622	24,632	26,132	27,122	28,349	29,563	30,765	31,955	33,132	34,297

*N: nominal pipe size

Marcegaglia Carbon Steel

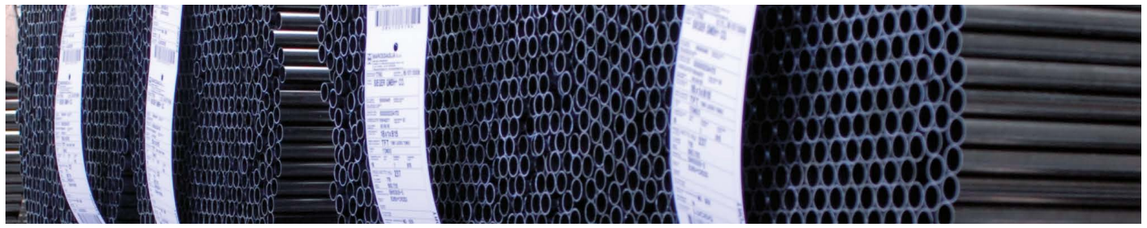
weight kg/m

ROUND TUBES
Tubi tondi

EN 10305-3 S1, S2, S3, S4

outside diameter (mm)	wall thickness mm															
	1,5	1,8	2	2,5	3	3,3	3,7	4	4,2	4,5	4,7	5	5,6	6	6,3	6,6
120			5,819	7,243	8,655	9,496	10,610	11,441	11,992	12,815	13,362	14,178	15,796	16,865	17,662	18,454
121			5,868	7,305	8,728	9,577	10,701	11,539	12,096	12,926	13,478	14,301	15,934	17,013	17,817	18,617
122			5,918	7,366	8,802	9,658	10,792	11,638	12,199	13,037	13,593	14,424	16,072	17,161	17,973	18,780
124			6,016	7,489	8,950	9,821	10,975	11,835	12,406	13,259	13,825	14,671	16,348	17,457	18,283	19,105
125			6,066	7,551	9,024	9,902	11,066	11,934	12,510	13,370	13,941	14,794	16,486	17,605	18,439	19,268
128,5				7,767	9,283	10,187	11,385	12,279	12,872	13,758	14,347	15,226	16,970	18,123	18,982	19,837
130				7,859	9,394	10,309	11,522	12,427	13,028	13,925	14,521	15,410	17,177	18,345	19,215	20,081
133				8,044	9,616	10,553	11,796	12,723	13,338	14,258	14,868	15,780	17,591	18,788	19,681	20,570
139				8,414	10,060	11,042	12,343	13,315	13,960	14,923	15,564	16,520	18,420	19,676	20,613	21,546
139,70				8,457	10,112	11,098	12,407	13,384	14,032	15,001	15,645	16,606	18,516	19,780	20,722	21,660
140				8,476	10,134	11,123	12,435	13,413	14,063	15,034	15,679	16,643	18,558	19,824	20,769	21,709
141,30				8,556	10,230	11,229	12,553	13,541	14,198	15,179	15,830	16,804	18,737	20,016	20,971	21,920
145				8,784	10,504	11,530	12,891	13,906	14,581	15,589	16,259	17,260	19,248	20,564	21,545	22,522
146				8,846	10,578	11,611	12,982	14,005	14,685	15,700	16,375	17,383	19,386	20,712	21,701	22,685
148				8,969	10,726	11,774	13,164	14,202	14,892	15,922	16,607	17,630	19,662	21,008	22,011	23,011
150				9,092	10,874	11,937	13,347	14,400	15,099	16,144	16,838	17,876	19,938	21,303	22,322	23,336
152				9,215	11,022	12,099	13,529	14,597	15,306	16,366	17,070	18,123	20,215	21,599	22,633	23,662
159				9,647	11,539	12,669	14,168	15,287	16,031	17,143	17,881	18,986	21,181	22,635	23,720	24,801
160					11,613	12,750	14,259	15,386	16,134	17,254	17,997	19,109	21,319	22,783	23,875	24,963
168,30					12,227	13,426	15,016	16,204	16,994	18,174	18,959	20,132	22,465	24,011	25,165	26,314
170					12,353	13,564	15,172	16,372	17,170	18,363	19,156	20,342	22,700	24,262	25,429	26,591
173					12,575	13,808	15,445	16,668	17,481	18,696	19,504	20,712	23,114	24,706	25,895	27,079
177,80					12,930	14,199	15,883	17,141	17,978	19,229	20,060	21,303	23,777	25,416	26,640	27,860
186,50					13,574	14,906	16,677	17,999	18,879	20,194	21,068	22,376	24,978	26,703	27,992	29,276
193,70					14,106	15,492	17,334	18,710	19,624	20,993	21,903	23,264	25,972	27,768	29,110	30,448
201,5					14,683	16,127	18,045	19,479	20,432	21,858	22,806	24,225	27,049	28,922	30,322	31,717
203					14,809	16,265	18,200	19,646	20,608	22,047	23,003	24,435	27,284	29,174	30,586	31,994
219,08 - 8N					15,985	17,559	19,651	21,215	22,255	23,811	24,846	26,395	29,480	31,526	33,056	34,581
244,60					17,871	19,634	21,977	23,730	24,895	26,640	27,801	29,539	33,001	35,299	37,017	38,731
273,05 - 10N					19,972	21,945	24,568	26,531	27,836	29,791	31,092	33,040	36,922	39,500	41,428	43,352
323,85 - 12N									33,108	35,439	36,991	39,315	43,950	47,030	49,335	51,636
355,60 - 14N									36,390	38,956	40,665	43,223	48,327	51,720	54,259	56,794
406,40 - 16N									41,651	44,593	46,552	49,486	55,341	59,235	62,150	65,061

outside diameter (mm)	wall thickness mm																	
	7	7,6	8	8,6	9	9,6	10	10,5	11	11,5	12	12,5	13	14	14,2	16
120	19,503	21,063	22,092	23,622	24,632	26,132	27,122	28,349	29,563	30,765	31,955	33,132	34,297			
121	19,676	21,250	22,290	23,834	24,854	26,369	27,369	28,608	29,835	31,049	32,251	33,441	34,618	36,936		
122	19,849	21,438	22,487	24,046	25,076	26,606										
124	20,194	21,812	22,881	24,470	25,520	27,079	28,109	29,385	30,648	31,900	33,139	34,365	35,580	37,971		
125	20,366	22,000	23,079	24,682	25,742	27,316										
128,5	20,971	22,656	23,769	25,425	26,518	28,144	29,218	30,550	31,869	33,176	34,470					
130	21,229	22,937	24,065	25,743	26,851	28,499	29,588	30,938	32,276	33,601	34,914	36,215	37,503			
133	21,747	23,499	24,657	26,379	27,517	29,209	30,328	31,715	33,089	34,452	35,802	37,139	38,464	41,078		
139	22,783	24,623	25,840	27,651	28,848	30,630	31,807	33,268	34,717	36,153	37,577	38,988	40,388	43,149		
139,70	22,904	24,754	25,978	27,799	29,004	30,795	31,980	33,449	34,906	36,351	37,784	39,204	40,612	43,391		
140	22,955	24,811	26,037	27,863	29,070	30,866	32,054	33,527	34,988	36,436	37,873	39,297	40,708	43,494		
141,30	23,180	25,054	26,294	28,139	29,359	31,174	32,374									
145	23,818	25,748	27,024	28,923	30,180	32,050	33,287									
146	23,991	25,935	27,221	29,135	30,402	32,286	33,533									
148	24,336	26,310	27,616	29,559	30,846	32,760	34,026	35,598	37,158	38,705	40,240	41,762	43,273	46,256	46,847	52,075
150	24,681	26,684	28,010	29,984	31,289	33,233	34,519									
152	25,027	27,059	28,405	30,408	31,733	33,707	35,013	36,634	38,243	39,839	41,423	42,995	44,555	47,637		
159	26,235	28,371	29,785	31,892	33,287	35,364	36,738	38,446	40,141	41,824	43,494	45,123	46,798	50,053	50,698	56,415
160	26,407	28,558	29,983	32,104	33,508	35,600	36,985									
168,30	27,840	30,114	31,620	33,864	35,350	37,565	39,032	40,854	42,663	44,461	46,246	48,019	49,779	53,263	53,954	60,083
170	28,133	30,432	31,955	34,224	35,728	37,967	39,451									
173	28,651	30,994	32,547	34,861	36,393	38,677	40,190	42,070	43,938	45,794	47,637	49,468	51,286	54,886	55,600	61,938
177,80	29,480	31,894	33,494	35,878	37,458	39,814	41,374	43,313	45,240	47,155	49,057	50,947	52,825	56,543	57,280	63,831
186,50	30,981	33,524	35,210	37,723	39,389	41,873	43,519	45,566	47,600	49,622	51,631	53,628	55,613	59,546	60,327	67,263
193,70	32,224	34,873	36,630	39,250	40,987	43,577	45,294	47,430	49,553	51,663	53,761	55,847	57,921	62,031	62,847	70,104
201,5	33,570	36,335	38,169	40,904	42,718	45,424	47,218									
203	33,864	36,654	38,504	41,264	43,095	45,826	47,637	49,889	52,129	54,357	56,572	58,775	60,966	65,311	66,174	73,852
219,08 - 8N	36,608	39,633	41,640	44,636	46,623	49,590	51,557	54,006	56,442	58,865	61,277	63,676	66,063	70,799	71,741	80,124
244,60	41,009	44,412	46,670	50,043	52,282	55,626	57,845	60,607	63,358	66,096	68,822	71,535	74,236	79,602	80,669	90,184
273,05 - 10N	45,911	49,734	52,272	56,065	58,584	62,348	64,847	67,960	71,061	74,149	77,225	80,288	83,340	89,405	90,612	101,388
323,85 - 12N	54,696	59,272	62,312	66,859	69,880	74,396	77,397	81,138	84,866	88,582	92,285	95,976	99,655	106,976	108,434	121,469
355,60 - 14N	60,167	65,212	68,565	73,581	76,914	81,900	85,214	89,345	93,464	97,570	101,665	105,746	109,816	117,918	119,533	133,975
406,40 - 16N	68,935	74,731	78,586	84,353	88,187	93,924	97,739	102,497	107,242	111,975	116,695	121,403	126,099	135,454	137,319	154,016



inches dimensions | weight kg/m

ROUND TUBES
Tubi tondi

EN 10305-3 S1, S2, S3, S4

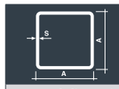
outside diameter (mm)	wall thickness mm																		
	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3	3,3	3,7	4	4,2
9,52 - ⅜"				0,132	0,152	0,172	0,191	0,210	0,228	0,246	0,280									
15,87 - ⅝"	0,115	0,152	0,189	0,225	0,261	0,296	0,331	0,365	0,399	0,432	0,497									
19,05 - ¾"	0,139	0,184	0,229	0,273	0,317	0,360	0,403	0,445	0,487	0,528	0,609	0,649	0,766	0,841	1,020					
22,22 - ⅞"			0,268	0,320	0,371	0,423	0,473	0,523	0,573	0,622	0,719	0,766	0,906	0,997	1,216					
31,75 - 1¼"				0,461	0,536	0,610	0,685	0,758	0,831	0,904	1,048	1,119	1,329	1,467	1,803	2,130	2,319	2,564	2,742	2,858
38,1 - 1½"						0,736	0,826	0,915	1,004	1,092	1,267	1,354	1,611	1,780	2,194	2,589	2,832	3,138	3,363	3,511
50,8 - 2"						0,986	1,107	1,228	1,348	1,468	1,705	1,823	2,175	2,406	2,977	3,536	3,881	4,315	4,635	4,847
76,2 - 3"												2,759	3,298	3,654	4,537	5,407				
88,9 - 3½" 3N*												3,232	3,866	4,285	5,326	6,354	6,965	7,773	8,373	8,771
101,60 - 4"													4,429	4,912	6,109	7,293	7,998	8,931	9,626	10,087
114,30 - 4½"													4,993	5,538	6,892	8,233	9,032	10,090	10,879	11,402
127 - 5"														6,164	7,674	9,172	10,065	11,249	12,131	12,717
152,40 - 6"															9,240	11,051	12,132	13,566	14,636	15,347

outside diameter (mm)	wall thickness mm																							
	4,5	4,7	5	5,6	6	6,3	6,6	7	7,6	8	8,6	9	9,6	10	10,5	11	11,5	12	12,5	13	14	14,2	16
9,52 - ⅜"																							
15,87 - ⅝"																							
19,05 - ¾"																							
22,22 - ⅞"																							
31,75 - 1¼"	3,029	3,141	3,304	3,618																			
38,1 - 1½"	3,728	3,871	4,081	4,488	4,749																		
50,8 - 2"	5,159	5,366	5,671	6,269	6,657	6,944	7,225	7,594	8,133	8,482													
76,2 - 3"																							
88,9 - 3½" 3N*	9,365	9,758	10,343	11,502	12,264	12,831	13,393	14,136	15,235	15,958	17,027	17,731	18,771	19,454	20,297	21,128	21,947	22,753	23,547	24,329			
101,60 - 4"	10,774	11,229	11,909	13,255	14,143	14,804	15,460	16,328	17,615	18,463	19,720	20,549	21,777	22,586	23,585	24,573	25,548	26,511	27,461	28,400			
114,30 - 4½"	12,183	12,701	13,475	15,009	16,022	16,776	17,526	18,520	19,995	20,968	22,413	23,367	24,783	25,717	26,873	28,017	29,149	30,269	31,376	32,470	34,623		
127 - 5"	13,592	14,173	15,041	16,763	17,901	18,749	19,593	20,712	22,374	23,473	25,106	26,185	27,789	28,848	30,161	31,462	32,750	34,026	35,290	36,541	39,007		
152,40 - 6"	16,410	17,116	18,172	20,270	21,658	22,695	23,727	25,096	27,134	28,483	30,492	31,822	33,801	35,111	36,737	38,351	39,952	41,542	43,118	44,683	47,775	48,387	53,811

*N: nominal pipe size

Marcegaglia Carbon Steel

weight kg/m



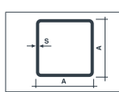
SQUARE TUBES
Tubi quadri

EN 10305-5 S1, S2, S3, S4

external dimensions	wall thickness mm											
A x A mm	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5
9 x 9	0,158	0,182	0,205	0,228	0,250	0,271	0,291	0,331				
10 x 10	0,176	0,204	0,230	0,256	0,281	0,305	0,329	0,375	0,397			
12 x 12	0,214	0,248	0,280	0,312	0,344	0,374	0,405	0,463	0,491			
13 x 13	0,233	0,270	0,305	0,341	0,375	0,409	0,442	0,507	0,538	0,628	0,684	
14 x 14	0,252	0,292	0,331	0,369	0,407	0,444	0,480	0,551	0,585	0,684	0,747	
15 x 15	0,271	0,313	0,356	0,397	0,438	0,478	0,518	0,595	0,632	0,741	0,810	
15,5 x 15,5	0,280	0,324	0,368	0,411	0,454	0,495	0,536	0,617	0,656	0,769	0,841	
16 x 16	0,290	0,335	0,381	0,425	0,469	0,513	0,555	0,639	0,679	0,797	0,872	1,049
17 x 17	0,308	0,357	0,406	0,454	0,501	0,547	0,593	0,682	0,726	0,854	0,935	1,128
18 x 18	0,327	0,379	0,431	0,482	0,532	0,582	0,631	0,726	0,773	0,910	0,998	1,206
19 x 19	0,346	0,401	0,456	0,510	0,564	0,616	0,668	0,770	0,820	0,967	1,061	1,285
20 x 20	0,365	0,423	0,481	0,538	0,595	0,651	0,706	0,814	0,868	1,023	1,124	1,363
22 x 22	0,403	0,467	0,531	0,595	0,658	0,720	0,781	0,902	0,962	1,136	1,249	1,520
24 x 24	0,440	0,511	0,582	0,651	0,721	0,789	0,857	0,990	1,056	1,249	1,375	1,677
25 x 25	0,459	0,533	0,607	0,680	0,752	0,823	0,894	1,034	1,103	1,306	1,438	1,756
27 x 27			0,657	0,736	0,815	0,893	0,970	1,122	1,197	1,419	1,563	1,913
28 x 28			0,682	0,764	0,846	0,927	1,007	1,166	1,244	1,475	1,626	1,991
30 x 30			0,732	0,821	0,909	0,996	1,083	1,254	1,339	1,588	1,752	2,148
34 x 34			0,833	0,934	1,035	1,134	1,233	1,430	1,527	1,814	2,003	2,462
35 x 35				0,962	1,066	1,169	1,271	1,474	1,574	1,871	2,066	2,541
38 x 38				1,047	1,160	1,272	1,384	1,606	1,715	2,041	2,254	2,776
40 x 40				1,104	1,223	1,342	1,460	1,694	1,810	2,154	2,380	2,933
42 x 42					1,286	1,411	1,535	1,781	1,904	2,267	2,505	3,090
45 x 45					1,380	1,514	1,648	1,913	2,045	2,436	2,694	3,326
48 x 48					1,474	1,618	1,761	2,045	2,186	2,606	2,882	3,561
50 x 50					1,537	1,687	1,836	2,133	2,281	2,719	3,008	3,718
53 x 53									2,422	2,888	3,196	3,954
54 x 54						1,825	1,987	2,309	2,469	2,945	3,259	4,032
55 x 55						1,860	2,025	2,353	2,516	3,001	3,322	4,111
59,3 x 59,3						2,008	2,187	2,542	2,719	3,244	3,592	4,448
60 x 60						2,032	2,213	2,573	2,752	3,284	3,636	4,503
63,5 x 63,5						2,153	2,345	2,727	2,916	3,482	3,855	4,778
64 x 64						2,171	2,364	2,749	2,940	3,510	3,887	4,817
65 x 65									2,987	3,567	3,950	4,896
67 x 67									3,081	3,680	4,075	5,053
70 x 70						2,378	2,590	3,012	3,223	3,849	4,264	5,288
73 x 73									3,364	4,019	4,452	5,524
75 x 75											4,578	5,681
80 x 80									3,694	4,414	4,892	6,073
90 x 90											5,520	6,858
100 x 100											6,148	7,643
110 x 110												8,428
120 x 120												9,213
125 x 125												9,606
130 x 130												9,998
140 x 140												
150 x 150												
160 x 160												
175 x 175												
180 x 180												
200 x 200												
220 x 220												
250 x 250												
260 x 260												
300 x 300												
325 x 325												

external dimensions	wall thickness mm												
A x A mm	3	4	5	6	7	8	9,6	10	12	12,5	14	16	A x A mm
9 x 9													9 x 9
10 x 10													10 x 10
12 x 12													12 x 12
13 x 13													13 x 13
14 x 14													14 x 14
15 x 15													15 x 15
15,5 x 15,5													15,5 x 15,5
16 x 16													16 x 16
17 x 17													17 x 17
18 x 18	1,261												18 x 18
19 x 19													19 x 19
20 x 20	1,450												20 x 20
22 x 22	1,638												22 x 22
24 x 24	1,827												24 x 24
25 x 25	1,921												25 x 25
27 x 27													27 x 27
28 x 28	2,203												28 x 28
30 x 30	2,392	2,996											30 x 30
34 x 34	2,769	3,498											34 x 34
35 x 35	2,863	3,624											35 x 35
38 x 38	3,145	4,001											38 x 38
40 x 40	3,334	4,252											40 x 40
42 x 42	3,522	4,503											42 x 42
45 x 45	3,805	4,880											45 x 45
48 x 48	4,087	5,257											48 x 48
50 x 50	4,276	5,508	6,644										50 x 50
53 x 53	4,558	5,885											53 x 53
54 x 54	4,653	6,010	7,272										54 x 54
55 x 55	4,747	6,136	7,429										55 x 55
59,3 x 59,3													59,3 x 59,3
60 x 60	5,218	6,764	8,214										60 x 60
63,5 x 63,5	5,547	7,204	8,763										63,5 x 63,5
64 x 64	5,595	7,266	8,842										64 x 64
65 x 65	5,689	7,392	8,999	10,509									65 x 65
67 x 67	5,877	7,643	9,313										67 x 67
70 x 70	6,160	8,020	9,784	11,451									70 x 70
73 x 73	6,442	8,397	10,255										73 x 73
75 x 75	6,631	8,648	10,569	12,393									75 x 75
80 x 80	7,102	9,276	11,354	13,335	15,220	17,008							80 x 80
90 x 90	8,044	10,532	12,924	15,219	17,418	19,520							90 x 90
100 x 100	8,986	11,788	14,494	17,103	19,616	22,032	25,698	26,575	30,733				100 x 100
110 x 110	9,928	13,044	16,064	18,987	21,814								110 x 110
120 x 120	10,870	14,300	17,634	20,871	24,012	27,056	31,726	32,855	38,269				120 x 120
125 x 125	11,341	14,928	18,419	21,813	25,111	28,312							125 x 125
130 x 130	11,812	15,556	19,204	22,755	26,210	29,568							130 x 130
140 x 140	12,754	16,812	20,774	24,639	28,408	32,080	37,755	39,135	45,805				140 x 140
150 x 150	13,696	18,068	22,344	26,523	30,606	34,592	40,770	42,275	49,573	51,337	56,484		150 x 150
160 x 160	14,638	19,324	23,914	28,407	32,804	37,104	43,784	45,415	53,341	55,262	60,880		160 x 160
175 x 175	16,051	21,208	26,269	31,233	36,101	40,872							175 x 175
180 x 180	16,522	21,836	27,054	32,175	37,200	42,128	49,813	51,695	60,877	63,112	69,672	78,081	180 x 180
200 x 200	18,406	24,348	30,194	35,943	41,596	47,152	55,842	57,975	68,413	70,962	78,464		200 x 200
220 x 220	20,290	26,860	33,334	39,711	45,992	52,176	61,870	64,255	75,949	78,812	87,256		220 x 220
250 x 250			38,044	45,363	52,586	59,712	70,914	73,675	87,253	90,587	100,444		250 x 250
260 x 260			39,614	47,247	54,784	62,224	73,928	76,815	91,021	94,512	104,840		260 x 260
300 x 300			45,894	54,783	63,576	72,272	85,986	89,375	106,093	110,212	122,424		300 x 300
325 x 325			49,819	59,493	69,071	78,552	93,522	97,225	115,513	120,024	133,414		325 x 325

inches dimensions | weight kg/m



SQUARE TUBES
Tubi quadri

EN 10305-5 S1, S2, S3, S4

external dimensions	wall thickness mm											
A x A mm - inch	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5
12,7 x 12,7 - ½" x ½"	0,227	0,263	0,298	0,332	0,366	0,399	0,431	0,493	0,524	0,611	0,665	
15,87 x 15,87 - ⅝" x ⅝"	0,287	0,333	0,377	0,422	0,465	0,508	0,550	0,633	0,673	0,790	0,864	1,039
19,05 x 19,05 - ¾" x ¾"	0,347	0,403	0,457	0,512	0,565	0,618	0,670	0,773	0,823	0,970	1,064	1,289
22,2 x 22,2 - ⅞" x ⅞"	0,406	0,472	0,536	0,601	0,664	0,727	0,789	0,911	0,971	1,148	1,262	1,536
25,4 x 25,4 - 1" x 1"	0,467	0,542	0,617	0,691	0,764	0,837	0,909	1,052	1,122	1,328	1,463	1,787
31,75 x 31,75 - 1¼" x 1¼"			0,776	0,870	0,964	1,057	1,149	1,331	1,421	1,687	1,862	2,286
38,1 x 38,1 - 1½" x 1½"				1,050	1,163	1,276	1,388	1,610	1,720	2,046	2,260	2,784
50,8 x 50,8 - 2" x 2"					1,562	1,715	1,867	2,168	2,318	2,764	3,058	3,781
76,2 x 76,2 - 3" x 3"									3,515	4,200	4,653	5,775
88,9 x 88,9 - 3½" x 3½"										4,917	5,451	6,772
101,6 x 101,6 - 4" x 4"											6,248	7,769
127 x 127 - 5" x 5"												9,763
152,4 x 152,4 - 6" x 6"												

external dimensions	wall thickness mm												
A x A mm - inch	3	4	5	6	7	8	9,6	10	12	12,5	14	16	A x A mm - inch
12,7 x 12,7 - ½" x ½"													12,7 x 12,7 - ½" x ½"
15,87 x 15,87 - ⅝" x ⅝"													15,87 x 15,87 - ⅝" x ⅝"
19,05 x 19,05 - ¾" x ¾"													19,05 x 19,05 - ¾" x ¾"
22,2 x 22,2 - ⅞" x ⅞"													22,2 x 22,2 - ⅞" x ⅞"
25,4 x 25,4 - 1" x 1"	1,958												25,4 x 25,4 - 1" x 1"
31,75 x 31,75 - 1¼" x 1¼"	2,557												31,75 x 31,75 - 1¼" x 1¼"
38,1 x 38,1 - 1½" x 1½"	3,155	4,013											38,1 x 38,1 - 1½" x 1½"
50,8 x 50,8 - 2" x 2"	4,351	5,609	6,769										50,8 x 50,8 - 2" x 2"
76,2 x 76,2 - 3" x 3"	6,744	8,799	10,757	12,619									76,2 x 76,2 - 3" x 3"
88,9 x 88,9 - 3½" x 3½"	7,940	10,394	12,751	15,012									88,9 x 88,9 - 3½" x 3½"
101,6 x 101,6 - 4" x 4"	9,137	11,989	14,745	17,405	19,968								101,6 x 101,6 - 4" x 4"
127 x 127 - 5" x 5"	11,529	15,179	18,733	22,190	25,551	28,815							127 x 127 - 5" x 5"
152,4 x 152,4 - 6" x 6"	13,922	18,370	22,721	26,975	31,133	35,195							152,4 x 152,4 - 6" x 6"

EN 10305-5 S2, S3, S4 | EN 10305-5 S1, S2, S3, S4 | EN 10305-5 S1, S2, S4

weight kg/m

RECTANGULAR TUBES
Tubi rettangolari

EN 10305-5 S1, S2, S3, S4

external dimensions	wall thickness mm														
A x B mm	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3	4	5
12 x 10	0,195	0,226	0,255	0,284	0,312	0,340	0,367	0,419	0,444						
15 x 10	0,224	0,259	0,293	0,326	0,359	0,392	0,423	0,485	0,514						
16 x 10	0,233	0,270	0,305	0,341	0,375	0,409	0,442	0,507	0,538						
16 x 18	0,308	0,357	0,406	0,454	0,501	0,547	0,593	0,682	0,726						
16,5 x 13,5	0,271	0,313	0,356	0,397	0,438	0,478	0,518	0,595	0,632						
18 x 5	0,205	0,237	0,268	0,298	0,328	0,357	0,386	0,441	0,467						
18 x 10	0,252	0,292	0,331	0,369	0,407	0,444	0,480	0,551	0,585						
18 x 11	0,261	0,302	0,343	0,383	0,422	0,461	0,499	0,573	0,609						
20 x 9	0,261	0,302	0,343	0,383	0,422	0,461	0,499	0,573	0,609						
20 x 10	0,271	0,313	0,356	0,397	0,438	0,478	0,518	0,595	0,632	0,741	0,810				
20 x 15		0,368	0,418	0,468	0,516	0,564	0,612	0,704	0,750	0,882	0,967				
20 x 15,5		0,374	0,425	0,475	0,524	0,573	0,621	0,715	0,762	0,896	0,982				
24 x 18		0,445	0,506	0,567	0,626	0,685	0,744	0,858	0,915	1,080	1,186				
25 x 10		0,368	0,418	0,468	0,516	0,564	0,612	0,704	0,750	0,882	0,967				
25 x 15		0,423	0,481	0,538	0,595	0,651	0,706	0,814	0,868	1,023	1,124				
25 x 20		0,478	0,544	0,609	0,673	0,737	0,800	0,924	0,985	1,165	1,281	1,559	1,685		
28 x 25		0,566	0,645	0,722	0,799	0,875	0,951	1,100	1,174	1,391	1,532				
30 x 10		0,423	0,481	0,538	0,595	0,651	0,706	0,814	0,868	1,023	1,124				
30 x 12		0,445	0,506	0,567	0,626	0,685	0,744	0,858	0,915	1,080	1,186				
30 x 15		0,478	0,544	0,609	0,673	0,737	0,800	0,924	0,985	1,165	1,281	1,559			
30 x 18		0,511	0,582	0,651	0,721	0,789	0,857	0,990	1,056	1,249	1,375				
30 x 20			0,607	0,680	0,752	0,823	0,894	1,034	1,103	1,306	1,438	1,756	1,921		
30 x 25			0,670	0,750	0,830	0,910	0,989	1,144	1,221	1,447	1,595	1,952	2,156		
33 x 20			0,645	0,722	0,799	0,875	0,951	1,100	1,174	1,391	1,532				
34,9 x 15,8			0,616	0,690	0,763	0,836	0,908	1,050	1,120	1,326	1,460	1,783	1,954		
35 x 10			0,544	0,609	0,673	0,737	0,800	0,924	0,985	1,165	1,281	1,559			
35 x 15			0,607	0,680	0,752	0,823	0,894	1,034	1,103	1,306	1,438	1,756	1,921		
35 x 20			0,670	0,750	0,830	0,910	0,989	1,144	1,221	1,447	1,595	1,952	2,156		
35 x 25			0,732	0,821	0,909	0,996	1,083	1,254	1,339	1,588	1,752	2,148	2,392		
35 x 30			0,795	0,892	0,987	1,083	1,177	1,364	1,456	1,730	1,909	2,344	2,627	3,310	
38 x 19			0,695	0,779	0,862	0,944	1,026	1,188	1,268	1,504	1,657	2,030			
40 x 10			0,607	0,680	0,752	0,823	0,894	1,034	1,103	1,306	1,438	1,756			
40 x 15			0,670	0,750	0,830	0,910	0,989	1,144	1,221	1,447	1,595	1,952			
40 x 20			0,732	0,821	0,909	0,996	1,083	1,254	1,339	1,588	1,752	2,148	2,392	2,996	
40 x 22			0,758	0,849	0,940	1,031	1,120	1,298	1,386	1,645	1,814	2,227	2,486	3,122	
40 x 25			0,795	0,892	0,987	1,083	1,177	1,364	1,456	1,730	1,909	2,344	2,627	3,310	
40 x 27			0,820	0,920	1,019	1,117	1,215	1,408	1,503	1,786	1,971	2,423	2,721	3,436	
40 x 30			0,858	0,962	1,066	1,169	1,271	1,474	1,574	1,871	2,066	2,541	2,863	3,624	
40 x 35			0,921	1,033	1,144	1,255	1,365	1,584	1,692	2,012	2,223	2,737	3,098	3,938	
42,5 x 29			0,877	0,983	1,089	1,195	1,299	1,507	1,609	1,913	2,113	2,600	2,933	3,718	
45 x 10			0,670	0,750	0,830	0,910	0,989	1,144	1,221	1,447	1,595	1,952	2,156		
45 x 15			0,732	0,821	0,909	0,996	1,083	1,254	1,339	1,588	1,752	2,148			
45 x 20			0,795	0,892	0,987	1,083	1,177	1,364	1,456	1,730	1,909	2,344	2,627	3,310	
45 x 25			0,858	0,962	1,066	1,169	1,271	1,474	1,574	1,871	2,066	2,541	2,863	3,624	
45 x 30			0,921	1,033	1,144	1,255	1,365	1,584	1,692	2,012	2,223	2,737	3,098	3,938	
45 x 35			0,984	1,104	1,223	1,342	1,460	1,694	1,810	2,154	2,380	2,933	3,334	4,252	
45 x 40			1,046	1,174	1,301	1,428	1,554	1,803	1,927	2,295	2,537	3,129	3,569	4,566	
48 x 20			0,833	0,934	1,035	1,134	1,233	1,430	1,527	1,814	2,003	2,462	2,769		
50 x 10			0,732	0,821	0,909	0,996	1,083	1,254	1,339	1,588	1,752	2,148			
50 x 15			0,795	0,892	0,987	1,083	1,177	1,364	1,456	1,730	1,909	2,344	2,627		
50 x 20			0,858	0,962	1,066	1,169	1,271	1,474	1,574	1,871	2,066	2,541	2,863		
50 x 25			0,921	1,033	1,144	1,255	1,365	1,584	1,692	2,012	2,223	2,737	3,098	3,938	
50 x 30			0,984	1,104	1,223	1,342	1,460	1,694	1,810	2,154	2,380	2,933	3,334	4,252	
50 x 35					1,301	1,428	1,554	1,803	1,927	2,295	2,537	3,129	3,569	4,566	
50 x 40					1,380	1,514	1,648	1,913	2,045	2,436	2,694	3,326	3,805	4,880	
50 x 45					1,458	1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040	5,194	
53,5 x 25					1,199	1,316	1,431	1,661	1,774	2,111	2,333	2,874			
55 x 20					1,144	1,255	1,365	1,584	1,692	2,012	2,223	2,737	3,098		
55 x 34									2,022	2,408	2,662	3,286	3,758	4,817	
55 x 40					1,458	1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040	5,194	
60 x 10					1,066	1,169	1,271	1,474	1,574	1,871	2,066	2,541	2,863		
60 x 15					1,144	1,255	1,365	1,584	1,692	2,012	2,223	2,737	3,098		
60 x 20					1,223	1,342	1,460	1,694	1,810	2,154	2,380	2,933	3,334	4,252	
60 x 25					1,301	1,428	1,554	1,803	1,927	2,295	2,537	3,129	3,569	4,566	
60 x 30					1,380	1,514	1,648	1,913	2,045	2,436	2,694	3,326	3,805	4,880	
60 x 34					1,443	1,583	1,723	2,001	2,139	2,549	2,819	3,483	3,993	5,131	
60 x 35						1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040	5,194	
60 x 40						1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276	5,508	6,644
60 x 45						1,773	1,931	2,243	2,398	2,860	3,165	3,914	4,511	5,822	7,036

weight kg/m

RECTANGULAR TUBES
Tubi rettangolari

EN 10305-5 S1, S2, S3, S4

external dimensions	wall thickness mm												
A x B mm	1,1	1,2	1,4	1,5	1,8	2	2,5	3	4	5	6	7	8
60 x 50	1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747	6,136	7,429			
65 x 35	1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276	5,508				
70 x 10	1,342	1,460	1,694	1,810	2,154	2,380	2,933						
70 x 11	1,359	1,478	1,716	1,833	2,182	2,411	2,972						
70 x 15	1,428	1,554	1,803	1,927	2,295	2,537	3,129	3,569	4,566				
70 x 20	1,514	1,648	1,913	2,045	2,436	2,694	3,326	3,805	4,880				
70 x 25	1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040	5,194				
70 x 30	1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276	5,508				
70 x 35				2,398	2,860	3,165	3,914	4,511	5,822				
70 x 40	1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747	6,136	7,429			
70 x 50	2,032	2,213	2,573	2,752	3,284	3,636	4,503	5,218	6,764	8,214			
75 x 50				2,869	3,425	3,793	4,699	5,453	7,078				
76 x 34	1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747					
76 x 55				3,011	3,595	3,981	4,935	5,736	7,455				
80 x 10	1,514	1,648	1,913	2,045	2,436	2,694	3,326						
80 x 15	1,601	1,742	2,023	2,163	2,578	2,851	3,522						
80 x 20	1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276					
80 x 22	1,722	1,874	2,177	2,328	2,775	3,070	3,797						
80 x 25	1,773	1,931	2,243	2,398	2,860	3,165	3,914	4,511	5,822				
80 x 30	1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747	6,136				
80 x 35	1,946	2,119	2,463	2,634	3,143	3,479	4,307	4,982	6,450	7,821			
80 x 40	2,032	2,213	2,573	2,752	3,284	3,636	4,503	5,218	6,764	8,214			
80 x 45				2,869	3,425	3,793	4,699	5,453	7,078	8,606			
80 x 50				2,987	3,567	3,950	4,896	5,689	7,392	8,999			
80 x 60				3,223	3,849	4,264	5,288	6,160	8,020	9,784	11,451		
83 x 37				2,752	3,284	3,636	4,503	5,218	6,764				
86 x 46				3,034	3,623	4,012	4,974	5,783	7,518	9,156			
90 x 20				2,516	3,001	3,322	4,111	4,747					
90 x 30				2,752	3,284	3,636	4,503	5,218	6,764				
90 x 40				2,987	3,567	3,950	4,896	5,689	7,392	8,999	10,509		
90 x 50				3,223	3,849	4,264	5,288	6,160	8,020	9,784	11,451		
90 x 60						4,578	5,681	6,631	8,648	10,569	12,393		
90 x 70						4,892	6,073	7,102	9,276	11,354	13,335		
100 x 20				2,752	3,284	3,636	4,503	5,218	6,764				
100 x 25				2,869	3,425	3,793	4,699	5,453	7,078				
100 x 30				2,987	3,567	3,950	4,896	5,689	7,392				
100 x 35 b.t.				3,105	3,708	4,107	5,092	5,924	7,706				
100 x 40				3,223	3,849	4,264	5,288	6,160	8,020	9,784	11,451		
100 x 50						4,578	5,681	6,631	8,648	10,569	12,393		
100 x 60						4,892	6,073	7,102	9,276	11,354	13,335	15,220	17,008
100 x 70						5,206	6,466	7,573	9,904	12,139	14,277		
100 x 80						5,520	6,858	8,044	10,532	12,924	15,219	17,418	19,520
103 x 87						5,834	7,251	8,515	11,160				
106 x 34				3,223	3,849	4,264	5,288	6,160	8,020				
110 x 30						4,264	5,288	6,160	8,020				
110 x 50						4,892	6,073	7,102	9,276	11,354	13,335		
110 x 70						5,520	6,858	8,044	10,532	12,924	15,219		
120 x 30						4,578	5,681	6,631	8,648				
120 x 40						4,892	6,073	7,102	9,276	11,354	13,335		
120 x 50						5,206	6,466	7,573	9,904	12,139	14,277		
120 x 60						5,520	6,858	8,044	10,532	12,924	15,219	17,418	19,520
120 x 80						6,148	7,643	8,986	11,788	14,494	17,103	19,616	22,032
120 x 100							8,428	9,928	13,044	16,064	18,987		
126 x 34						4,892	6,073	7,102	9,276	11,354			
130 x 50						5,520	6,858	8,044	10,532	12,924	15,219		
130 x 60						5,834	7,251	8,515	11,160	13,709	16,161	18,517	
140 x 40						5,520	6,858	8,044	10,532	12,924	15,219		
140 x 50						5,834	7,251	8,515	11,160	13,709	16,161	18,517	
140 x 60						6,148	7,643	8,986	11,788	14,494	17,103	19,616	
140 x 70							8,036	9,457	12,416	15,279	18,045	20,715	23,288
140 x 80							8,428	9,928	13,044	16,064	18,987	21,814	24,544
140 x 100								10,870	14,300	17,634			
150 x 30						5,520	6,858	8,044	10,532	12,924			
150 x 40						5,834	7,251	8,515	11,160	13,709	16,161		
150 x 50						6,148	7,643	8,986	11,788	14,494	17,103		
150 x 60							8,036	9,457	12,416	15,279	18,045	20,715	
150 x 70							8,428	9,928	13,044	16,064	18,987	21,814	
150 x 75							8,624	10,163	13,358	16,456	19,458	22,363	

Marcegaglia Carbon Steel

PRECISION TUBES
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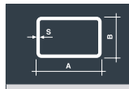
EN 10305-5 S1, S2, S3, S4

weight kg/m

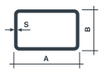


RECTANGULAR TUBES
Tubi rettangolari

EN 10305-5 S1, S2, S3, S4

external dimensions	wall thickness mm												
A x B mm	2	2,5	3	4	5	6	7	8	9	10	12	12,5	14
150 x 100			11,341	14,928	18,419	21,813	25,111	28,312	31,417	34,425	40,153		
160 x 50		8,036	9,457	12,416	15,279	18,045	20,715						
160 x 60		8,428	9,928	13,044	16,064	18,987	21,814						
160 x 80			10,870	14,300	17,634	20,871	24,012	27,056					
160 x 90			11,341	14,928	18,419	21,813	25,111	28,312	31,417	34,425	40,153		
160 x 100			11,812	15,556	19,204	22,755	26,210	29,568					
160 x 120			12,754	16,812	20,774	24,639	28,408	32,080					
160 x 140			13,696	18,068	22,344	26,523	30,606	34,592					
180 x 50			10,399	13,672	16,849	19,929	22,913	25,800					
180 x 60			10,870	14,300	17,634	20,871	24,012	27,056					
180 x 80			11,812	15,556	19,204	22,755	26,210	29,568					
180 x 100			12,754	16,812	20,774	24,639	28,408	32,080	35,656	39,135	45,805	47,412	52,088
180 x 120			13,696	18,068	22,344	26,523	30,606	34,592					
180 x 140			14,638	19,324	23,914	28,407	32,804	37,104					
180 x 150			15,109	19,952	24,699	29,349	33,903	38,360					
200 x 40			10,870	14,300	17,634	20,871	24,012	27,056					
200 x 60			11,812	15,556	19,204	22,755	26,210	29,568					
200 x 70			12,283	16,184	19,989	23,697	27,309	30,824					
200 x 80			12,754	16,812	20,774	24,639	28,408	32,080					
200 x 100			13,696	18,068	22,344	26,523	30,606	34,592	38,482	42,275	49,573	51,337	56,484
200 x 120			14,638	19,324	23,914	28,407	32,804	37,104	41,308	45,415	53,341	55,262	60,880
200 x 150			16,051	21,208	26,269	31,233	36,101	40,872	45,547	50,125	58,993		
200 x 160			16,522	21,836	27,054	32,175	37,200	42,128					
220 x 120			15,580	20,580	25,484	30,291	35,002	39,616					
220 x 140			16,522	21,836	27,054	32,175	37,200	42,128	46,960	51,695	60,877	63,112	69,672
230 x 80			14,167	18,696	23,129	27,465	31,705	35,848					
250 x 100			16,051	21,208	26,269	31,233	36,101	40,872	45,547	50,125	58,993		
250 x 150			18,406	24,348	30,194	35,943	41,596	47,152	52,612	57,975	68,413	70,962	78,464
250 x 200			20,761	27,488	34,119	40,653	47,091	53,432					
260 x 140			18,406	24,348	30,194	35,943	41,596	47,152	52,612	57,975	68,413	70,962	78,464
300 x 100			18,406	24,348	30,194	35,943	41,596	47,152	52,612	57,975	68,413	70,962	78,464
300 x 150			20,761	27,488	34,119	40,653	47,091	53,432	59,677	65,825	77,833	80,774	89,454
300 x 200					38,044	45,363	52,586	59,712	66,742	73,675	87,253	90,587	100,444
300 x 220					39,614	47,247	54,784	62,224					
350 x 150					38,044	45,363	52,586	59,712	66,742	73,675	87,253	90,587	100,444
350 x 250					45,894	54,783	63,576	72,272					
400 x 200					45,894	54,783	63,576	72,272	80,872	89,375	106,093	110,212	122,424
400 x 250					49,819	59,493	69,071	78,552	87,937	97,225	115,513	120,024	133,414

inches dimensions | weight kg/m

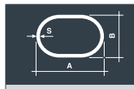


RECTANGULAR TUBES
Tubi rettangolari

EN 10305-5 S1, S2, S3, S4

external dimensions	wall thickness mm																
A x B mm - inches	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3	4	5	6	7	8
25,4 x 12,7 - 1" x ½"	0,403	0,457	0,512	0,565	0,618	0,670	0,773	0,823	0,970	1,064	1,289	1,360					
31,75 x 19,05 - 1¼" x ¾"		0,617	0,691	0,764	0,837	0,909	1,052	1,122	1,328	1,463	1,787	1,958					
38,1 x 19,05 - 1½" x ¾"		0,697	0,781	0,864	0,947	1,029	1,191	1,271	1,508	1,662	2,036	2,258					
38,1 x 25,4 - 1½" x 1"		0,776	0,870	0,964	1,057	1,149	1,331	1,421	1,687	1,862	2,286	2,557					
50,8 x 25,4 - 2" x 1"				1,163	1,276	1,388	1,610	1,720	2,046	2,260	2,784	3,155	4,013				
50,8 x 38,1 - 2" x 1½"				1,363	1,495	1,627	1,889	2,019	2,405	2,659	3,283	3,753	4,811	5,772			
63,5 x 38,1 - 2½" x 1½"					1,715	1,867	2,168	2,318	2,764	3,058	3,781	4,351	5,609	6,769			
76,2 x 25,4 - 3" x 1"					1,715	1,867	2,168	2,318	2,764	3,058	3,781	4,351	5,609	6,769			
76,2 x 38,1 - 3" x 1½"					1,934	2,106	2,447	2,617	3,123	3,457	4,279	4,949	6,406	7,766			
76,2 x 50,8 - 3" x 2"								2,916	3,482	3,855	4,778	5,547	7,204	8,763			
88,9 x 38,1 - 3½" x 1½"								2,916	3,482	3,855	4,778	5,547	7,204	8,763			
101,6 x 50,8 - 4" x 2"									4,200	4,653	5,775	6,744	8,799	10,757	12,619		
101,6 x 76,2 - 4" x 3"									4,917	5,451	6,772	7,940	10,394	12,751	15,012		
127 x 50,8 - 5" x 2"										5,451	6,772	7,940	10,394	12,751	15,012		
127 x 76,2 - 5" x 3"										6,248	7,769	9,137	11,989	14,745	17,405	19,968	
152,4 x 50,8 - 6" x 2"										6,248	7,769	9,137	11,989	14,745	17,405	19,968	
152,4 x 76,2 - 6" x 3"											8,766	10,333	13,584	16,739	19,797		
152,4 x 101,6 - 6" x 4"											9,763	11,529	15,179	18,733	22,190	25,551	
203,2 x 101,6 - 8" x 4"												13,922	18,370	22,721	26,975	31,133	35,195

weight kg/m

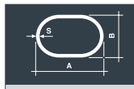


OVAL TUBES
Tubi ovali

EN 10305-3 S2, S3, S4

external dimensions	wall thickness mm												
A x B mm	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3
12,8 x 3,8	0,131	0,152	0,171	0,190	0,209	0,227	0,245	0,280					
13,5 x 4,5	0,139	0,160	1,181	0,202	0,222	0,241	0,260	0,300					
14 x 8	0,168	0,195	0,221	0,246	0,271	0,296	0,320	0,359	0,398				
17,5 x x5	0,183	0,212	0,240	0,268	0,296	0,323	0,349	0,387	0,425				
18 x 10	0,213	0,247	0,280	0,313	0,345	0,377	0,408	0,454	0,499				
20 x 10	0,228	0,264	0,300	0,335	0,370	0,404	0,438	0,487	0,536	0,630	0,691		
20 x 15	0,260	0,300	0,340	0,380	0,420	0,460	0,500	0,570	0,610	0,720	0,790		
21,5 x 4	0,213	0,247	0,280	0,313	0,345	0,377	0,408	0,454	0,499	0,630	0,691		
22 x 10	0,250	0,290	0,333	0,372	0,411	0,449	0,487	0,542	0,597	0,717	0,796		
22 x 12	0,263	0,305	0,347	0,388	0,429	0,469	0,509	0,567	0,625	0,737	0,809		
22 x 14	0,272	0,316	0,359	0,401	0,444	0,486	0,527	0,587	0,647	0,763	0,838		
22 x 15	0,279	0,324	0,369	0,413	0,456	0,499	0,541	0,604	0,666	0,786	0,863		
23 x 13	0,279	0,324	0,369	0,413	0,456	0,499	0,541	0,604	0,666	0,786	0,863		
24 x 16	0,300	0,350	0,400	0,450	0,490	0,540	0,590	0,680	0,720	0,850	0,940		
25 x 12	0,279	0,324	0,385	0,480	0,476	0,521	0,565	0,630	0,695	0,884	0,927		
25 x 8,6	0,272	0,316	0,359	0,401	0,444	0,486	0,527	0,587	0,647	0,763	0,838		
25 x 15	0,307	0,357	0,406	0,455	0,503	0,551	0,598	0,667	0,736	0,870	0,957		
26 x 16		0,367	0,418	0,468	0,518	0,567	0,616	0,687	0,758	0,897	0,986		
27,6 x 12,7		0,367	0,418	0,468	0,518	0,567	0,616	0,687	0,758	0,897	0,986		
28 x 15		0,380	0,440	0,490	0,540	0,590	0,650	0,750	0,790	0,940	1,030		
30 x 10		0,380	0,429	0,482	0,536	0,587	0,637	0,712	0,786	0,921	1,023		
30 x 15		0,419	0,477	0,535	0,592	0,648	0,704	0,787	0,869	1,030	1,130		
30 x 17		0,420	0,485	0,544	0,602	0,659	0,716	0,800	0,884	1,040	1,150		
30 x 20		0,454	0,548	0,615	0,681	0,746	0,811	0,906	1,000	1,190	1,310		
31 x 16		0,430	0,500	0,562	0,622	0,681	0,740	0,827	0,914	1,085	1,194		
32 x 16		0,440	0,501	0,561	0,621	0,681	0,740	0,827	0,914	1,080	1,190		
33 x 10		0,410	0,467	0,525	0,583	0,639	0,694	0,775	0,856	1,006	1,117		
34 x 16		0,482	0,549	0,615	0,681	0,746	0,811	0,940	1,003	1,190	1,313		
34 x 17,5		0,472	0,537	0,602	0,660	0,730	0,794	0,888	0,981	1,164	1,283		
35 x 11		0,440	0,501	0,561	0,621	0,681	0,740	0,860	0,914	1,080	1,190		
35 x 12		0,449	0,512	0,574	0,635	0,696	0,756	0,845	0,934	1,100	1,220		
35 x 15			0,537	0,602	0,666	0,730	0,793	0,887	0,980	1,163	1,283		
35 x 20			0,576	0,646	0,715	0,784	0,852	0,953	1,054	1,252	1,381		
36 x 18			0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,700	
38 x 16			0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,700	
38 x 20			0,615	0,690	0,764	0,838	0,912	1,016	1,120	1,340	1,480	1,810	
39,7 x 14,7			0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,700	
40 x 10			0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,700	
40 x 14			0,576	0,646	0,715	0,784	0,852	0,951	1,054	1,252	1,381	1,730	
40 x 20			0,635	0,712	0,789	0,865	0,941	1,051	1,160	1,380	1,520	1,880	2,220
40 x 22			0,640	0,721	0,801	0,878	0,955	1,069	1,182	1,400	1,555	1,910	
40 x 25			0,675	0,757	0,839	0,920	1,001	1,121	1,240	1,475	1,629	2,005	
40 x 28			0,690	0,780	0,860	0,950	1,030	1,190	1,270	1,510	1,670	2,060	
44,5 x 15			0,655	0,735	0,814	0,893	0,971	1,130	1,200	1,430	1,570	1,940	
45 x 15			0,657	0,736	0,816	0,896	0,976	1,088	1,200	1,430	1,580	1,950	
45 x 17			0,657	0,757	0,838	0,919	1,000	1,120	1,240	1,470	1,630	1,990	
45 x 20			0,690	0,779	0,863	0,947	1,030	1,150	1,270	1,510	1,670	2,060	
45 x 25			0,730	0,823	0,913	1,001	1,089	1,220	1,351	1,607	1,776	2,180	
47 x 18			0,695	0,780	0,864	0,947	1,030	1,154	1,277	1,519	1,678	2,067	
48 x 20			0,730	0,823	0,912	1,001	1,090	1,220	1,350	1,610	1,780	2,190	
48,5 x 10,2			0,675	0,757	0,839	0,920	1,001	1,121	1,240	1,474	1,628	2,005	
50 x 10			0,694	0,779	0,863	0,947	1,030	1,150	1,270	1,510	1,670	2,000	
50 x 11			0,690	0,780	0,860	0,950	1,030	1,190	1,270	1,510	1,670	2,060	
50 x 20			0,770	0,868	0,962	1,055	1,148	1,287	1,425	1,696	1,875	2,313	2,730
50 x 25			0,808	0,912	1,010	1,105	1,200	1,345	1,490	1,780	1,970	2,430	2,880
50 x 30			0,832	0,934	1,036	1,137	1,237	1,387	1,536	1,829	2,023	2,498	
56 x 11			0,773	0,868	0,962	1,056	1,149	1,287	1,425	1,696	1,875	2,313	
57 x 12			0,773	0,881	0,978	1,076	1,173	1,320	1,467	1,761	1,907	2,360	
57,5 x 10			0,813	0,868	0,962	1,056	1,150	1,285	1,420	1,700	1,870	2,310	
60 x 10,4			0,813	0,912	1,010	1,105	1,200	1,400	1,490	1,780	1,970	2,430	
60 x 15				0,979	1,090	1,195	1,300	1,455	1,610	1,920	2,120	2,620	
60 x 20				0,990	1,097	1,204	1,310	1,468	1,626	1,930	2,144	2,650	
60 x 25				1,030	1,142	1,257	1,371	1,542	1,713	2,011	2,234	2,760	

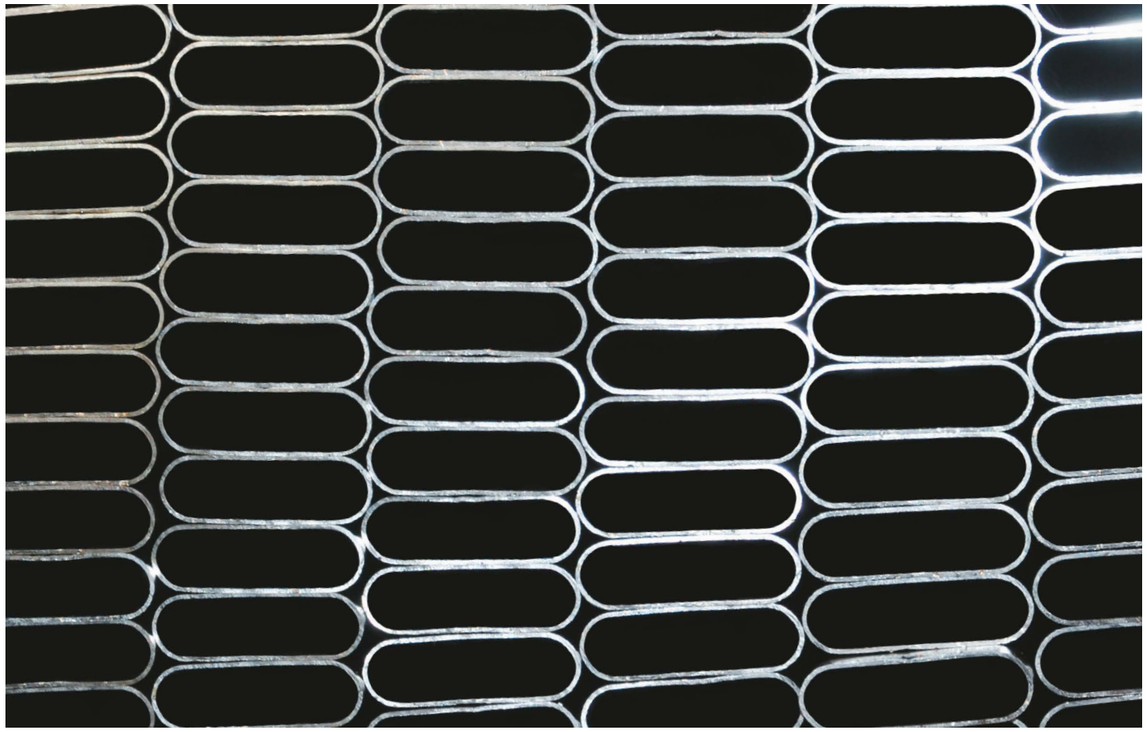
weight kg/m



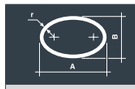
OVAL TUBES
Tubi ovali

EN 10305-3 S2, S3, S4

external dimensions	wall thickness mm												
A x B mm	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3
60 x 30				1,090	1,220	1,330	1,440	1,615	1,790	2,140	2,370	2,930	3,470
63 x 9				0,979	1,085	1,191	1,296	1,453	1,610	1,918	2,122	2,620	
65 x 30				1,135	1,258	1,381	1,504	1,687	1,869	2,230	2,468	3,054	
68 x 45				1,310	1,450	1,595	1,740	2,020	2,160	2,580	2,860	3,550	
69,3 x 8				1,040	1,150	1,265	1,380	1,610	1,720	2,050	2,270	2,800	
70 x 8				0,646	0,716	0,785	0,853	0,952	1,055	2,052	1,382	1,696	
70 x 10				1,090	1,210	1,325	1,440	1,615	1,790	2,140	2,370	2,930	
70 x 11				1,090	1,209	1,332	1,455	1,625	1,795	2,141	2,369	2,930	
70 x 20					1,260	1,380	1,500	1,685	1,870	2,230	2,470	3,050	
70 x 25					1,330	1,460	1,590	1,785	1,980	2,360	2,610	3,160	
75 x 14					1,280	1,405	1,530	1,715	1,900	2,260	2,510	3,100	
77 x 38					1,520	1,670	1,820	2,045	2,270	2,710	3,010	3,730	4,440
80 x 20					1,410	1,545	1,680	1,885	2,090	2,490	2,760	3,420	
80 x 25						1,600	1,740	1,950	2,160	2,580	2,860	3,550	
80 x 30						1,670	1,820	2,130	2,270	2,710	3,010	3,730	
80 x 45						1,790	2,036	2,283	2,530	3,030	3,350	4,160	
85 x 25						1,680	1,827	2,055	2,283	2,718	3,019	3,740	
90 x 30						1,810	1,975	2,222	2,468	2,939	3,265	4,160	
95 x 30						1,920	2,096	2,440	2,609	3,230	3,445	4,287	
100 x 20						1,920	2,096	2,440	2,609	3,230	3,455	4,287	
98 x 38									2,750	3,290	3,650	4,530	5,400
100 x 30						2,030	2,215	2,580	2,758	3,420	3,652	4,534	
103 x 16									2,640	3,160	3,500	4,350	5,180
110 x 25									2,906	3,473	3,848	4,410	4,781
140 x 50										4,710	5,230	6,500	7,770
250 x 50										7,820	8,680	10,810	12,940
245 x 100										8,490	9,430	11,750	14,070



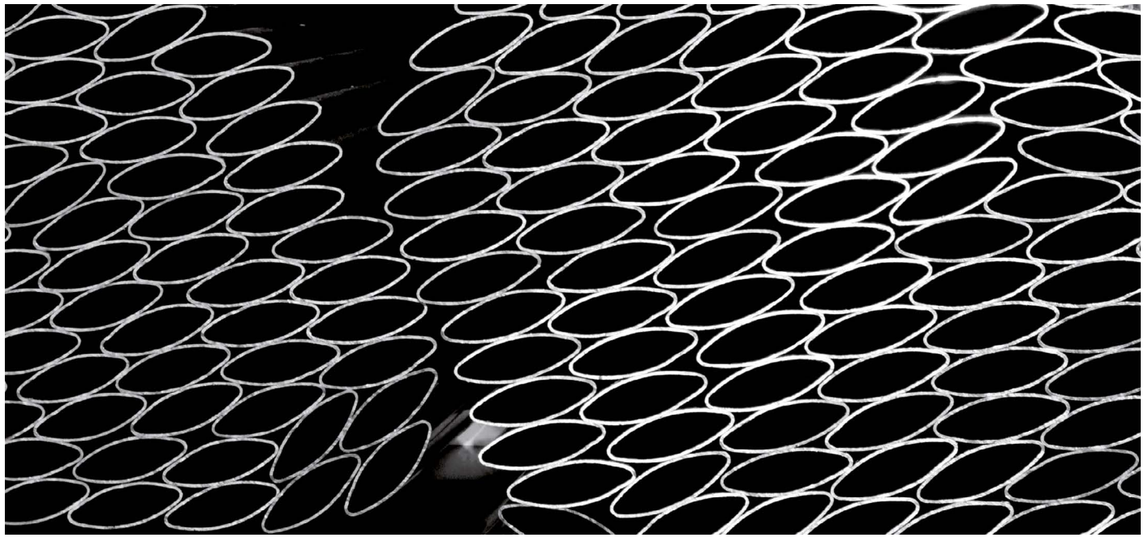
weight kg/m



ELLIPTICAL TUBES
Tubi ellittici

EN 10305-3 S2, S3, S4

external dimensions	wall thickness mm													
A x B mm	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3	3,7
18,5 x 13,4		0,264	0,300	0,335	0,370	0,404	0,438	0,487	0,536	0,630				
22 x 14		0,333	0,379	0,424	0,469	0,513	0,556	0,605	0,654	0,808	0,888			
24 x 16		0,333	0,379	0,424	0,469	0,513	0,556	0,605	0,654	0,808	0,888			
26 x 17		0,367	0,418	0,468	0,513	0,565	0,616	0,687	0,758	0,897	0,986			
26 x 18		0,370	0,420	0,470	0,520	0,570	0,620	0,710	0,760	0,900	0,990			
28 x 20		0,402	0,457	0,513	0,567	0,621	0,675	0,780	0,832	0,986	1,080			
29 x 20		0,419	0,477	0,535	0,592	0,648	0,704	0,787	0,869	1,030	1,130			
30 x 14		0,385	0,438	0,490	0,542	0,594	0,645	0,750	0,795	0,941	1,030			
30 x 15		0,367	0,418	0,468	0,513	0,565	0,616	0,687	0,758	0,897	0,986			
30 x 18		0,402	0,457	0,513	0,567	0,621	0,675	0,754	0,832	0,986	1,080			
30 x 19		0,419	0,477	0,535	0,592	0,648	0,704	0,810	0,869	1,030	1,130			
30 x 22		0,471	0,536	0,601	0,666	0,730	0,793	0,887	0,980	1,160	1,280			
31 x 18		0,419	0,477	0,535	0,592	0,648	0,704	0,787	0,869	1,030	1,130			
33 x 16		0,419	0,477	0,535	0,592	0,648	0,704	0,787	0,869	1,030	1,130			
35 x 20		0,481	0,548	0,615	0,681	0,746	0,811	0,906	1,000	1,190	1,310			
36 x 12		0,440	0,501	0,561	0,621	0,681	0,740	0,827	0,914	1,080	1,190	1,462		
40 x 20		0,506	0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,696		
40,5 x 15,5		0,506	0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,696		
41 x 15		0,506	0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,696		
42,3 x 14,2		0,506	0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,696		
45 x 15		0,540	0,615	0,690	0,764	0,838	0,912	1,016	1,120	1,340	1,480	1,820		
48 x 25			0,723	0,810	0,898	0,984	1,070	1,199	1,328	1,580	1,740	2,150		
50 x 20			0,723	0,810	0,898	0,984	1,070	1,199	1,328	1,580	1,740	2,150		
50 x 25			0,734	0,823	0,912	1,001	1,090	1,220	1,350	1,610	1,780	2,210		
55 x 15				0,823	0,912	1,001	1,090	1,220	1,350	1,610	1,780	2,190		
60 x 30				0,981	1,095	1,202	1,308	1,464	1,619	1,921	2,121	2,623		
60 x 32				1,046	1,160	1,273	1,386	1,554	1,721	2,052	2,270	2,807		
65 x 18				0,979	1,090	1,195	1,300	1,455	1,610	1,920	2,120	2,620		
70 x 42					1,380	1,515	1,650	1,920	2,050	2,450	2,710	3,360		
73 x 46									2,165	2,585	2,862	3,547	4,219	
76 x 25					1,330	1,460	1,590	1,785	1,980	2,360	2,610	3,240		
76 x 45					1,530	1,670	1,820	2,130	2,270	2,710	3,010	3,730		
93,5 x 59									2,646	3,162	3,504	4,349	5,182	
101 x 50,8						2,140	2,331	2,620	2,908	3,462	3,846	4,776		
120 x 60										4,540	4,590	5,710	6,810	8,340
165 x 125													10,730	13,20



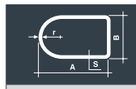
weight kg/m

TRIANGULAR TUBES
Tubi triangolari

EN 10305-3 S2, S4

external dimensions		wall thickness mm			
A x B mm	TAV	1,5	2	2,5	3
30 x 15	1338	0,86	1,13		
40 x 22	633	1,18	1,55		
36,5 x 37,5	1871	1,35	1,78		
43 x 43	1870	1,61	2,12	2,62	
49,5 x 46,5	1858	1,79	2,37	2,93	
126 x 145	1874		6,79	8,46	10,12

weight kg/m



SEMIOVAL TUBULAR SECTIONS
Tubi semiovali

EN 10305-3 S3

external dimensions	wall thickness mm											
A x B mm	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5
14 x 10			0,260	0,290	0,320	0,350	0,379	0,421	0,462			
25 x 25			0,534	0,601	0,667	0,734	0,800	0,894	0,988	1,161	1,289	
30 x 15			0,510	0,730	0,637	0,701	0,765	0,843	0,921	1,080	1,200	
30 x 20			0,576	0,646	0,715	0,784	0,852	0,951	1,050	1,250	1,380	1,700
30 x 30			0,655	0,735	0,814	0,893	0,971	1,086	1,200	1,430	1,570	1,940
35 x 20			0,615	0,690	0,764	0,838	0,912	1,016	1,120	1,340	1,480	1,810
35 x 25			0,632	0,710	0,789	0,852	0,941	1,051	1,160	1,380	1,520	1,880
35 x 30			0,729	0,818	0,906	0,994	1,082	1,212	1,341	1,596	1,764	2,174
35 x 35			0,773	0,868	0,962	1,056	1,150	1,285	1,420	1,700	1,870	2,320
38 x 20			0,655	0,735	0,814	0,893	0,971	1,086	1,200	1,430	1,570	1,940
38 x 22			0,675	0,757	0,838	0,919	1,000	1,120	1,239	1,474	1,628	2,004
40 x 15			0,635	0,712	0,789	0,865	0,941	1,051	1,160	1,380	1,520	1,880
40 x 20			0,694	0,779	0,863	0,947	1,030	1,150	1,270	1,520	1,670	2,005
40 x 25			0,734	0,823	0,912	0,956	1,000	1,175	1,350	x	1,780	2,190
40 x 30			0,774	0,868	0,962	1,055	1,148	1,287	1,425	1,696	1,875	2,313
40 x 32			0,813	0,912	1,010	1,105	1,200	1,400	1,490	1,780	1,970	2,430
41 x 35			0,883	0,934	1,034	1,133	1,232	1,379	1,525	1,811	1,999	
45 x 40			0,930	1,040	1,150	1,270	1,380	1,610	1,720	2,050	2,270	2,810
48,5 x 35			0,931	1,040	1,150	1,265	1,380	1,550	1,720	2,050	2,270	2,800
50 x 25			0,872	0,979	1,090	1,195	1,300	1,455	1,610	1,920	2,120	2,660
50 x 30			0,908	1,019	1,130	1,240	1,350	1,570	1,676	1,998	2,210	2,732
55 x 35					1,260	1,380	1,510	1,750	1,870	2,230	2,470	3,060
60 x 30					1,310	1,430	1,560	1,820	1,940	2,310	2,560	3,170
60 x 40					1,380	1,515	1,650	1,850	2,050	2,450	2,710	3,360
80 x 40					1,738	1,917	2,096	2,353	2,609	3,118	3,454	4,287
90 x 15					1,684	1,853	2,021	2,262	2,502	3,032	3,305	4,108
102 x 20						2,000	2,213	2,540	2,755	3,294	3,649	4,543