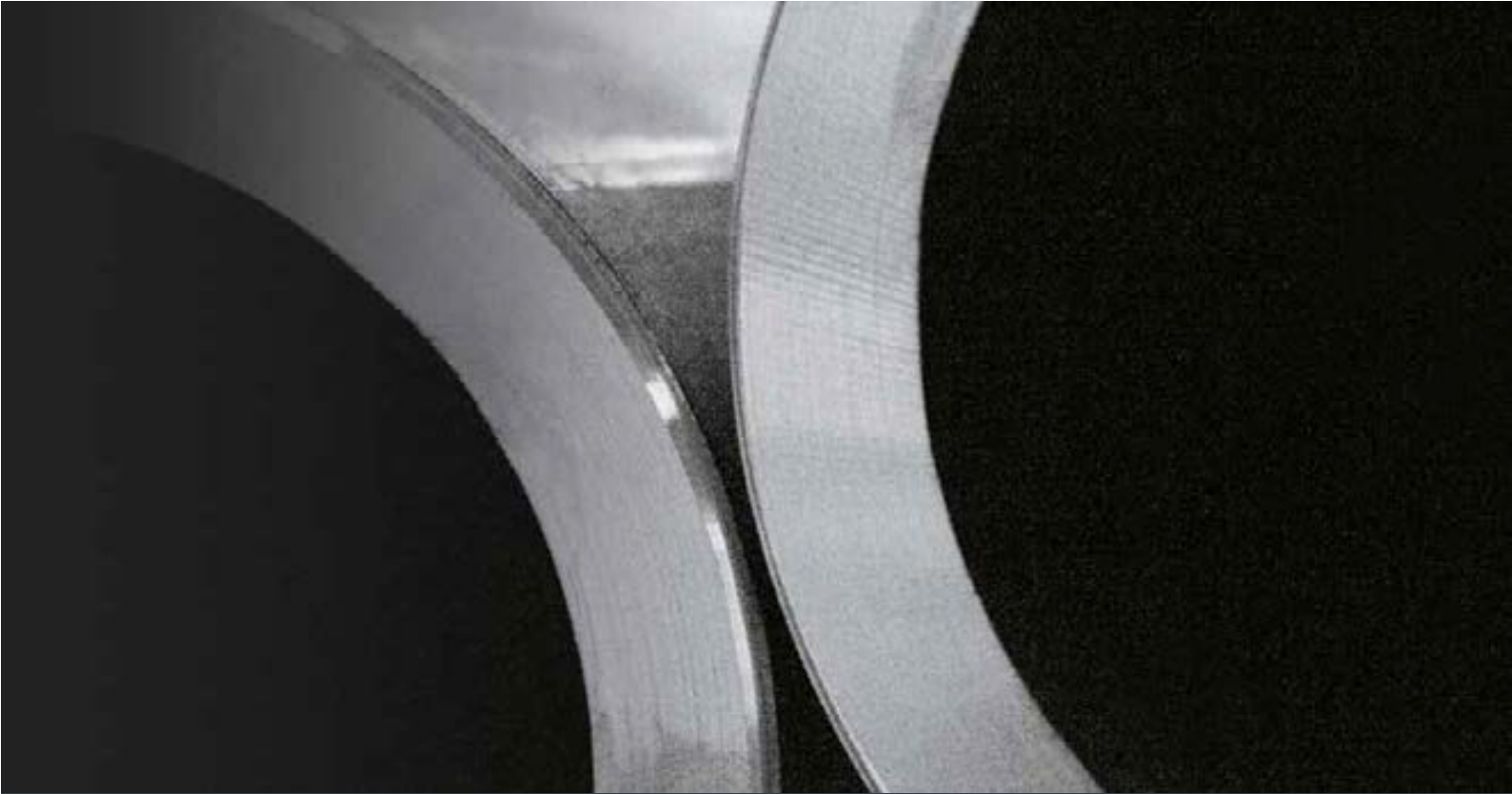




CARBON STEEL TUBES

EN • IT

 **MARCEGAGLIA**
CARBON STEEL





we give shape to steel

Marcegaglia Carbon Steel is dedicated to the manufacturing and processing of **carbon steel flat products** and **welded tubes**.

The company is part of Marcegaglia group which was **founded in 1959** and, today, still fully owned by the Marcegaglia family and headquartered in Gazoldo degli Ippoliti, Mantova.

Steel coil processing is at the core of Marcegaglia activities. The complete range of first transformation processes is carried out within facilities worldwide.

La forza di Marcegaglia è nella trasformazione dell'acciaio. Negli stabilimenti produttivi del gruppo in tutto il mondo si realizza il ciclo completo della prima trasformazione.





Marcegaglia stands among the steel market's top independent players in the world.

A worldwide network of partnership agreements provides reliable supply of raw materials of all grades to our facilities.

Marcegaglia è tra i più importanti asset industriali indipendenti nel settore dell'acciaio.

Una rete globale di accordi di partnership garantisce continuità nelle forniture di acciaio per i nostri processi produttivi.

Marcegaglia Carbon Steel

3.250 million Euro turnover
milioni di Euro di fatturato

12 manufacturing plants
sedi produttive

150 tube lines
tubifici

4.300 employees
dipendenti



After first transformation, within its controlled value chain Marcegaglia Carbon Steel develops the world's widest range of carbon steel welded tubes, thanks to 150 processing lines and a global manufacturing capacity in excess of 3 million tons per year.

Dalla prima trasformazione, nell'ambito della propria filiera produttiva controllata, Marcegaglia Carbon Steel ricava la gamma di tubi saldati in acciaio al carbonio più ampia al mondo, con 150 tubifici e una capacità produttiva annua globale superiore a 3 milioni di tonnellate.

Marcegaglia Steel worldwide presence

Sales offices
Benelux Diegem, BELGIUM
North Europe Soleuvre, LUXEMBOURG

**MARCEGAGLIA**
CARBON STEEL

Carbon steel coils

Carbon steel strips

Carbon steel sheets

Carbon steel welded tubes

Cold-drawn welded tubes

Refrigeration tubes

Hot dip galvanized coils

Hot dip galvanized strips

Hot dip galvanized sheets

Pre-painted coils

Pre-painted strips

Pre-painted sheets

**MARCEGAGLIA**
PLATES

Heavy plates

**MARCEGAGLIA**
SPECIALTIES

Stainless steel coils

Stainless steel strips

Stainless steel sheets

Stainless steel welded tubes

Carbon and Stainless steel cold-drawn bars

Stainless steel flat bars

Stainless steel cold formed sections

Plant
Dudley, UK



UK

Sales office
Lyon, FRANCE

E

Sales office
Santa Perpetua de Mogoda Barcelona, SPAIN

Plant
Munhall, USA

US



Plant
Garuva, BRAZIL



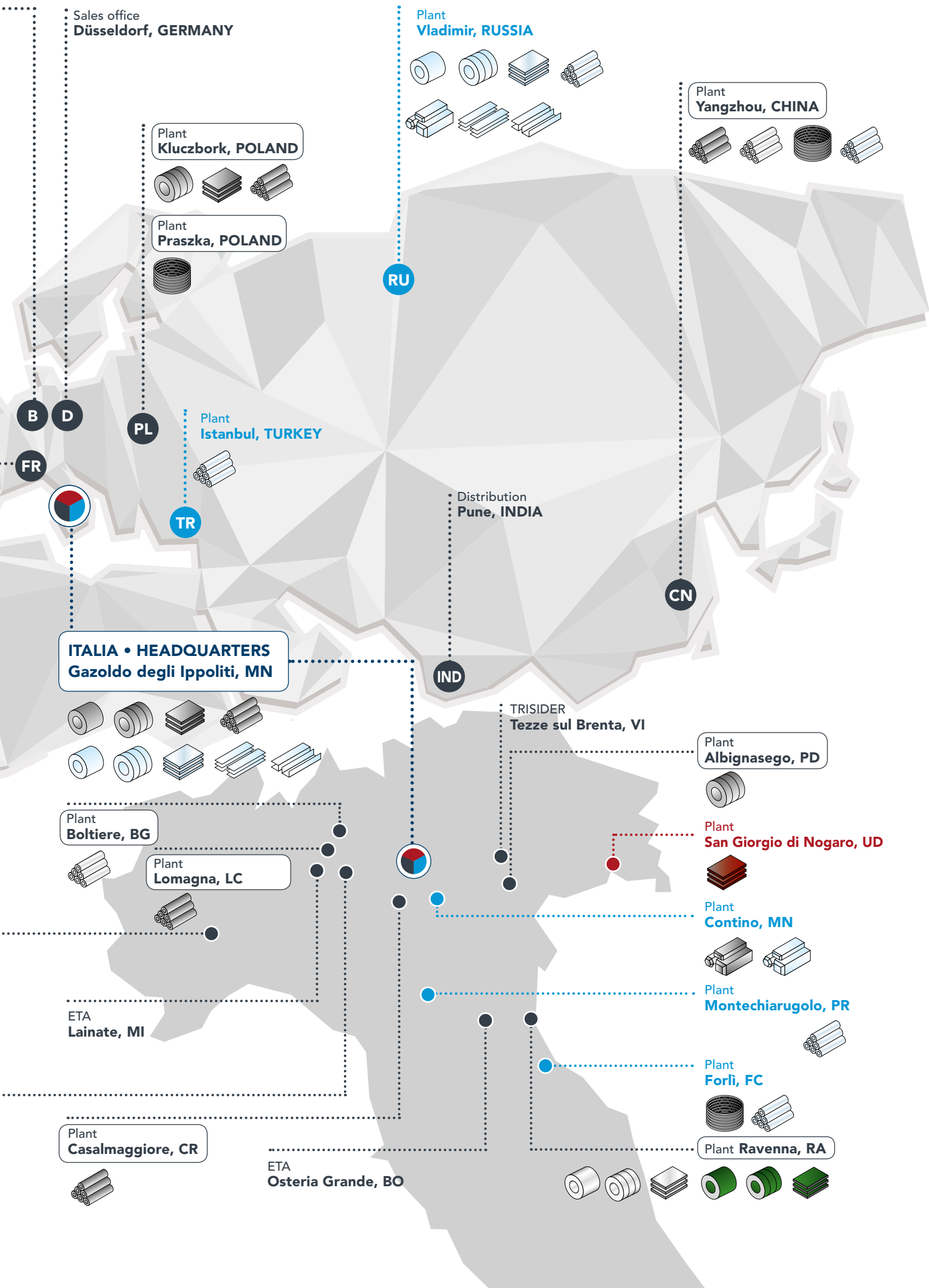
BR

Plant
Dusino San Michele, AT



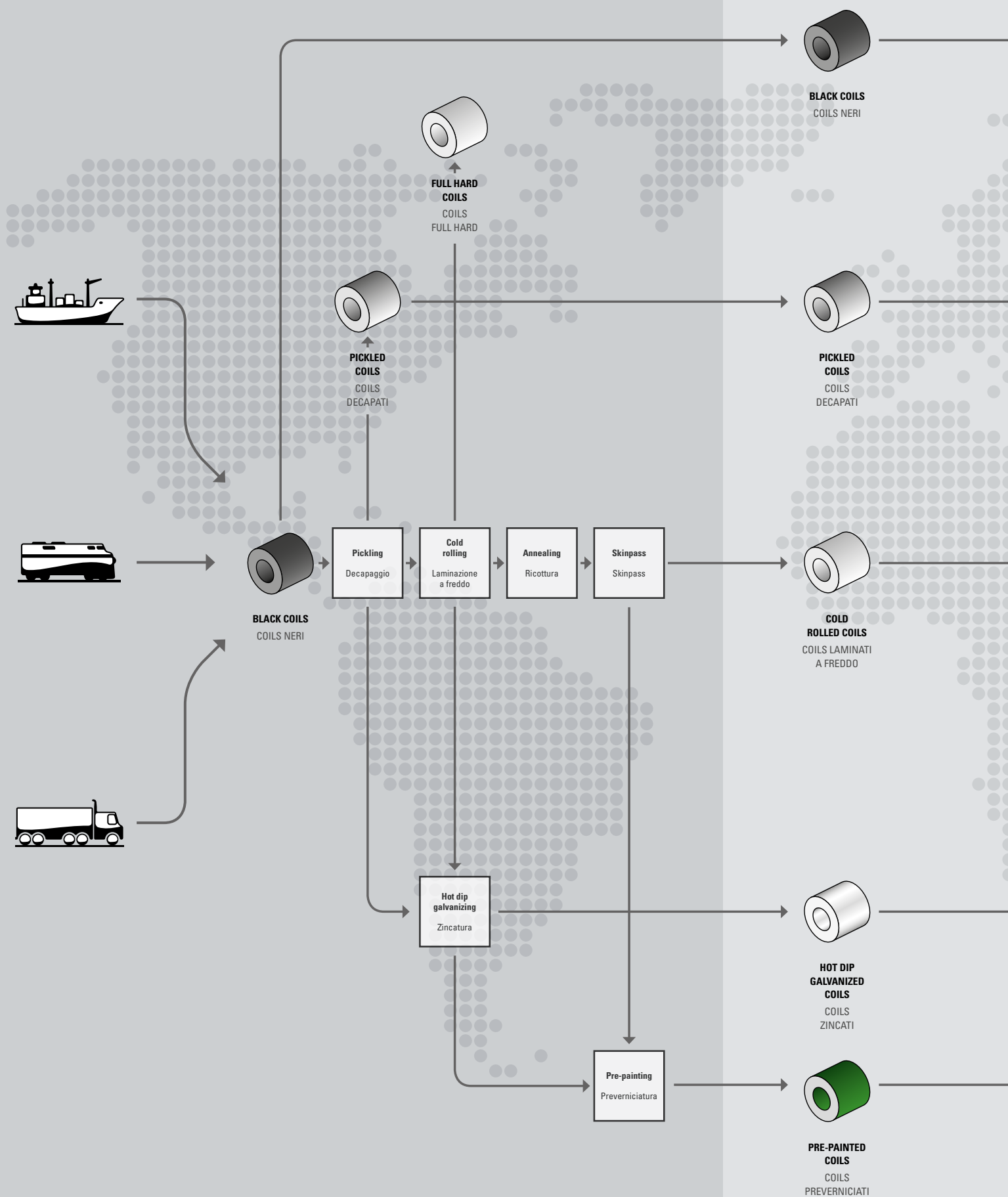
Plant
Corsico, MI

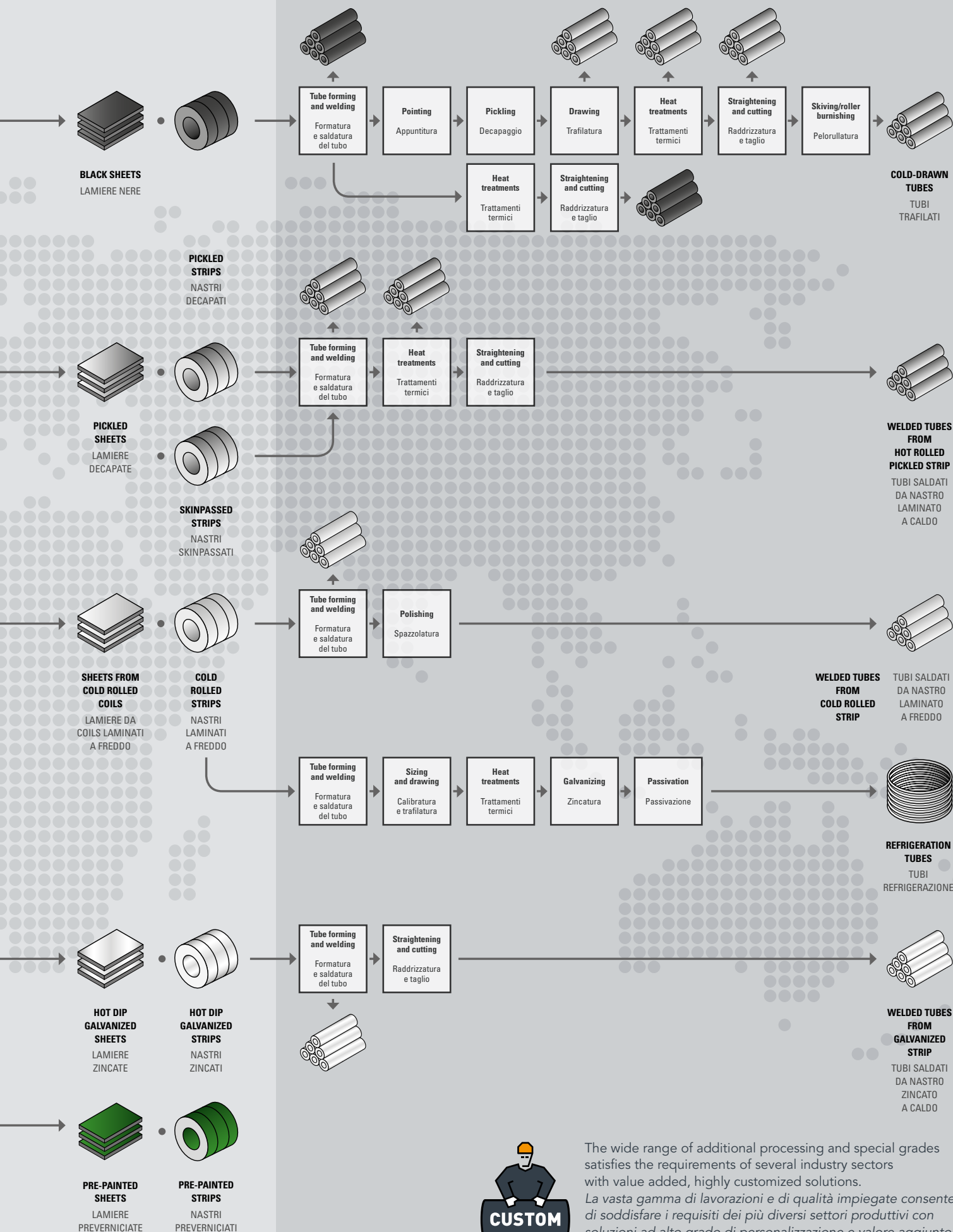




Carbon steel products manufacturing process

Processo produttivo acciai al carbonio





The wide range of additional processing and special grades satisfies the requirements of several industry sectors with value added, highly customized solutions.

La vasta gamma di lavorazioni e di qualità impiegate consente di soddisfare i requisiti dei più diversi settori produttivi con soluzioni ad alto grado di personalizzazione e valore aggiunto.



CARBON STEEL TUBES

TUBI IN ACCIAIO AL CARBONIO

01 CARBON STEEL WELDED TUBES

tubi@marcegaglia.com 

13

TUBI SALDATI IN ACCIAIO AL CARBONIO

02 COLD-DRAWN WELDED TUBES

tubitrafilati@marcegaglia.com 

81

TUBI SALDATI TRAFILATI A FREDDO



0474

Min. thickness (mm) / spessore min.	0,3
Max. thickness (mm) / spessore max.	16
Min. diameter (mm) / diametro min.	8
Max. diameter (mm) / diametro max.	406,4

Carbon steel welded tubes

Tubi saldati in acciaio al carbonio



Typical applications

Esempi delle principali applicazioni

The production program of Marcegaglia Carbon Steel tubes from hot rolled, cold rolled and galvanized strip covers a wide range of structural and precision mechanical applications, guaranteeing specific suitability for subsequent processing.

La produzione Marcegaglia Carbon Steel di tubi ricavati da nastro laminato a caldo, a freddo e zincato copre una vasta gamma di impieghi strutturali e nella meccanica di precisione, garantendo idoneità specifiche a successive rilavorazioni.

Tubes for steel structural work

Tubi per carpenteria strutturale

Tubes for lifting equipment

Tubi per ascensori

Tubes for piling

Tubi per palificazione





Roller conveyor tubes

Tubi per rulli

Tubes for district heating

Tubi per teleriscaldamento



Tubes for pressure purposes include applications for the heat exchanger industry, heating and ventilation, gas and water line pipes, district heating and chemical industry among others.

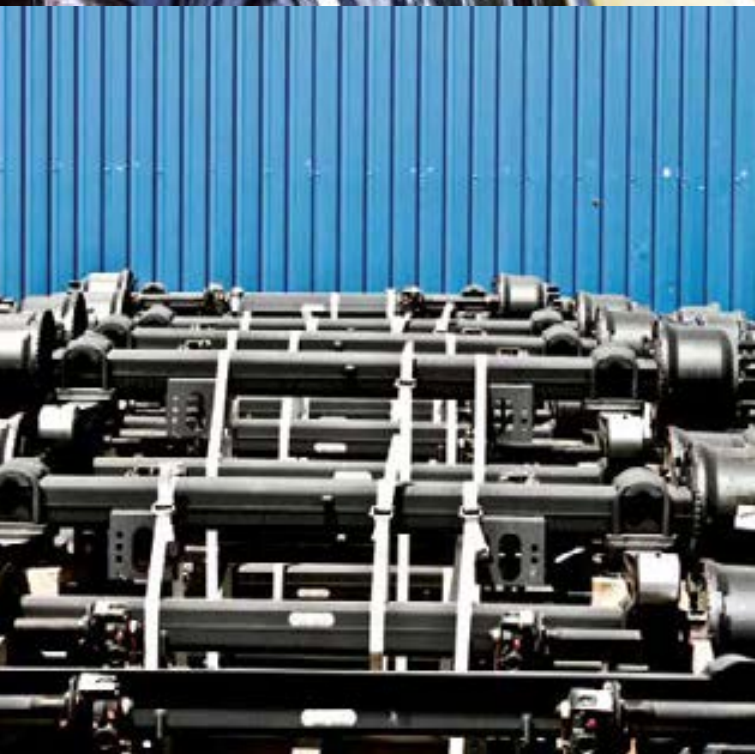
La gamma di tubi per impieghi a pressione include applicazioni nella produzione di scambiatori di calore, nel settore idrotermosanitario, nelle condotte per acqua e gas, nel settore del teleriscaldamento e nell'industria chimica.





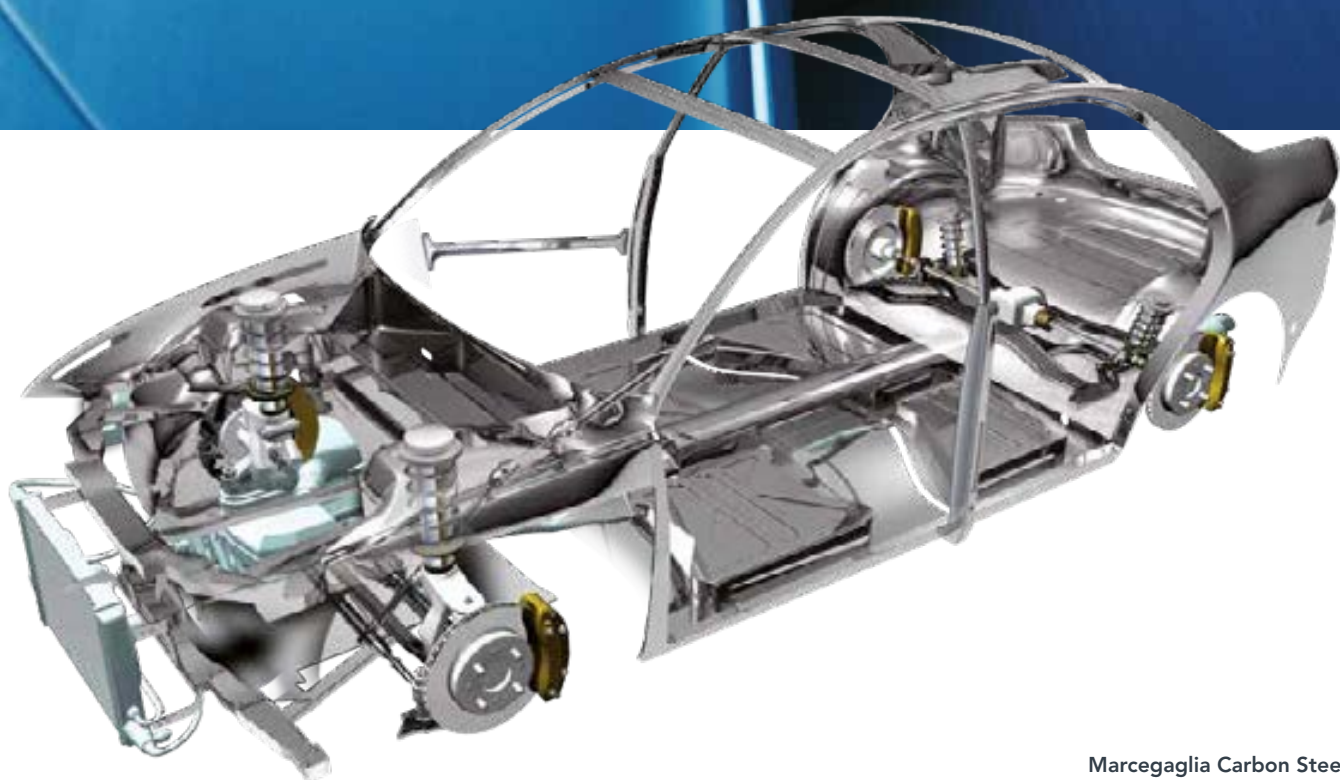
With a dedicated production for the automotive sector, Marcegaglia is the supplier of choice for carmakers and OEM manufacturers of structural parts, components and interior details, thanks to its production plants located near to major specialized districts.

Con la propria gamma di tubi saldati dedicata al settore automobilistico, Marcegaglia è oggi in grado di servire le case produttrici e i fornitori di componenti strutturali, parti interne e finiture grazie ad unità produttive dislocate nei maggiori distretti produttivi specializzati.



Tubes for automotive applications

Tubi per impieghi automotive





Tubes for the furniture industry

Tubi per settore arredamento

Tubes for other industrial applications

Tubi per applicazioni industriali

Tubes for the cycle and motorcycle industry

Tubi per settore ciclo e motociclo

Tubes for heating and plumbing systems

Tubi per applicazioni idrotermosanitarie

Tubes for fitness equipment

Tubi per articoli sportivi



Marcegaglia Carbon Steel has developed a unique know-how in the manufacturing of precision tubes to meet the strict dimensional and surface specifications required by manufacturers in sectors such as furniture, sports equipment or mechanical engineering.

Marcegaglia Carbon Steel ha sviluppato una competenza unica al mondo nella produzione di tubi di precisione che rispettano i requisiti dimensionali e di aspetto superficiale tipici di settori quali l'arredamento, gli articoli sportivi e l'industria meccanica.



Carbon steel welded tubes

Tubi saldati in acciaio al carbonio

Main manufacturing standards *Principali norme di produzione*

MANUFACTURING STANDARD <i>Norma di fabbricazione</i>	PRODUCT DESIGNATION <i>Designazione prodotto</i>	TREATMENT <i>Tipologie di trattamento</i>	GRADE* <i>Qualità</i>	SURFACE CONDITIONS <i>Condizioni superficiali</i>
EN 10305-3	Round and shaped precision tubes <i>Tubi di precisione Tondi e Speciali</i>	+CR1 Welded and sized <i>Saldato e calibrato a freddo</i> +CR2 Welded and sized <i>Saldato e calibrato a freddo</i> +A Annealed - <i>Ricotto</i> +N Normalized	E190, E320, E220, E370, E260, E420, E155, E195, E235, E275, E355	S1 From hot-rolled strip, black <i>Da nastro laminato a caldo nero</i> S2 From hot-rolled strip, pickled <i>Da nastro laminato a caldo decapato</i> S3 From cold-rolled strip <i>Da nastro laminato a freddo</i> S4 From coated strip <i>Da nastro rivestito secondo condizioni stabili</i>
EN 10305-5	Square and rectangular precision tubes <i>Tubi di precisione Quadri e Rettangoli</i>			
EN 10219	Cold formed welded structural tubes (CE homologation) <i>Tubi saldati formati a freddo per impieghi strutturali (omologazione CE)</i>		S235JRH S275J0H S275J2H S355J0H S355J2H	
EN 10210	Structural hollow sections of non-alloy and fine grain steels, hot finished or cold formed and heat treated <i>Profilati cavi di acciai non legati e a grano fine per impieghi strutturali, finiti a caldo o formati a freddo con trattamenti termici</i>	Heat treatments <i>Trattamenti termici</i>	S235JRH S275J0H S275J2H S355J0H S355J2H	
EN 10217-1	Tubes for pressure purposes, for use at room temperature <i>Tubi per impieghi a pressione, per utilizzi a temperatura ambiente</i>	Heat treatments upon request <i>Trattamenti termici su richiesta</i>	P195 P235 P265	TR1 TR2
EN 10217-2	Tubes for pressure purposes, for use at high temperatures <i>Tubi per impieghi a pressione, per utilizzi a temperature elevate</i>		P195GH P235GH P265GH	TC1 TC2
EN 10208-1	Steel pipes for pipelines for combustible fluids <i>Tubi per condotte di fluidi combustibili</i>		L235GA L290GA L360GA	
EN 10224	Tubes for the conveyance of water and other aqueous liquids <i>Tubi per il convogliamento di acqua e altri liquidi acquosi</i>		L235 L275 L355	
EN 10255	Tubes suitable for welding and threading <i>Tubi adatti alla saldatura e alla filettatura</i>	Heat treatments upon request <i>Trattamenti termici su richiesta</i>	S195T	

(*) Upon request: supply of grades not included in the above mentioned standards - *Su richiesta si forniscono anche qualità differenti dalla norma*

Supply conditions - *Condizioni di fornitura*

- Dimensional tolerances according to manufacturing standard
Tolleranze dimensionali secondo le norme di fabbricazione
- Special tolerances upon request *Tolleranze speciali su richiesta*
- Control documents 2.1, 2.2, 3.1, 3.2 according to EN 10204 and specific norm requirements
Documenti di controllo 2.1, 2.2, 3.1, 3.2 secondo norma EN 10204 e indicazione specifiche di ciascuna norma



OPTIONAL PROCESSING

Lavorazioni opzionali

Suitability for subsequent galvanizing

Specifica idoneità alla zincabilità a caldo

Complete normalization or weld area normalization

Normalizzazione completa o della sola zona di saldatura

Additional heat treatments - Trattamenti termici aggiuntivi

Weld seam removing - Scordonatura interna

Special end finishing - Finiture speciali delle estremità

Cut to length - Taglio a misura

Customer defined marking - Marcature alternative

Restricted tolerances - Tolleranze ridotte rispetto la norma

Welding position - Posizione della saldatura

Surface roughness measurement

Misurazione della rugosità superficiale

Delivery with no corrosion protection

Consegne senza protettivi anticorrosivi

Specific corrosion protection - Protezione anticorrosiva specifica

Specific packaging method - Metodo di imballo specifico

Unit testing composed of tubes from a single casting

Unità di collaudo composta da tubi provenienti da una unica colata

Hot galvanization - Zincatura a caldo

STANDARD AND OPTIONAL TESTING

Prove e controlli standard e opzionali

Chemical composition - Analisi chimica

Tensile test - Prova di trazione

Flattening test - Prova di schiacciamento

Expansion test - Prova di allargamento

Impact test - Prova di resilienza

Eddy current test - Prova a correnti indotte

Flux leakage test - Prova a flusso disperso

Ultrasonic test - Controllo a ultrasuoni

Visual test - Controllo visivo

Hydraulic test - Prova idraulica

Dimensional test - Controllo dimensionale

Micrographic analysis - Esami micrografici

Release of special certificates - Emissione di certificati speciali

STANDARD LENGTHS

Pipes are supplied in 6000 and 12000 mm lengths (tolerances ± 50 mm) unless otherwise specified in order

Lunghezze standard

I tubi vengono forniti, salvo accordi diversi all'ordine, in barre commerciali da mm 6000 e 12000 (tolleranza ± 50 mm)

Round carbon steel welded precision tubes

Tubi tondi saldati in acciaio al carbonio di precisione

outside diameter (mm - inches)	wall thickness mm																weight kg/m
	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						
9,52 - 3/8"				0,132	0,152	0,172	0,191	0,210	0,228	0,246	0,280						
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			
15,87 - 5/8"	0,115	0,152	0,189	0,225	0,261	0,296	0,331	0,365	0,399	0,432	0,497	0,529	0,621	0,681			
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		
19,5 - 3/4"	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		
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	
22,22 - 7/8"			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		
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		
31,75 - 1 1/4"				0,461	0,536	0,610	0,685	0,758	0,831	0,904	1,048	1,119	1,329	1,467	1,803		
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	

outside diameter (mm - inches)	ROUND TUBES EN 10305-3 S2, S3, S4 Tubi tondi EN 10305-3 S2, S3, S4																weight kg/m
	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	
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		
38,1 - 1½"						0,736	0,826	0,915	1,004	1,092	1,267	1,354	1,611	1,780	2,194		
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	
40						0,773	0,868	0,962	1,055	1,148	1,332	1,424	1,695	1,874	2,312	2,737	
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	
42,4												1,513	1,802	1,992	2,460	2,914	
43						0,832	0,934	1,036	1,136	1,237	1,436	1,535	1,829	2,022	2,496	2,959	
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	
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	
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	
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	
48,3												1,731	2,064	2,283	2,823	3,351	
48,5												1,738	2,073	2,293	2,836	3,366	
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	
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	
52								1,257	1,381	1,503	1,747	1,868	2,228	2,466	3,051	3,625	
53								1,282	1,408	1,533	1,781	1,905	2,272	2,515	3,113	3,699	
54								1,307	1,435	1,562	1,816	1,942	2,317	2,564	3,175	3,772	
54,50												1,960	2,339	2,589	3,205	3,809	
55								1,331	1,462	1,592	1,850	1,979	2,361	2,614	3,236	3,846	
56								1,356	1,489	1,621	1,885	2,016	2,406	2,663	3,298	3,920	
57								1,381	1,516	1,651	1,919	2,053	2,450	2,712	3,359	3,994	
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	
60,30 - 2N												2,175	2,596	2,875	3,563	4,238	
61												2,201	2,627	2,909	3,606	4,290	
62												2,238	2,672	2,959	3,668	4,364	
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	
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	
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	
68									1,814	1,976	2,299	2,460	2,938	3,255	4,038	4,808	
70									1,869	2,036	2,368	2,533	3,027	3,353	4,161	4,956	
70,5												2,552	3,049	3,378	4,192	4,993	
72									1,923	2,095	2,437	2,607	3,116	3,452	4,284	5,104	
73									1,950	2,124	2,472	2,644	3,160	3,501	4,346	5,178	
75									2,004	2,184	2,541	2,718	3,249	3,600	4,469	5,326	
76									2,031	2,213	2,575	2,755	3,293	3,649	4,531	5,400	
76,2 - 3"												2,759	3,298	3,654	4,537	5,407	
80									2,140	2,332	2,713	2,903	3,471	3,846	4,777	5,696	
80,5												2,922	3,493	3,871	4,808	5,733	
82												2,977	3,559	3,945	4,901	5,844	
82,5												2,996	3,582	3,970	4,931	5,881	
83												3,014	3,604	3,994	4,962	5,918	
87													3,781	4,192	5,209	6,213	
88,9 - 3½" 3N												3,232	3,866	4,285	5,326	6,354	
89									2,384	2,598	3,024	3,236	3,870	4,290	5,332	6,361	
90									2,411	2,627	3,058	3,273	3,914	4,340	5,394	6,435	



Round carbon steel welded precision tubes

Tubi tondi saldati in acciaio al carbonio di precisione

N: nominal pipe size

outside diameter (mm)	wall thickness mm																weight kg/m
	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	
16,75	0,564	0,664	0,727														
17	0,573	0,675	0,740	0,894													
17,20	0,581	0,683	0,750	0,906													
17,5	0,592	0,697	0,764	0,925													
18	0,610	0,719	0,789	0,955													
18,2	0,618	0,728	0,799	0,968													
19,05 - ¾"	0,649	0,766	0,841	1,020													
19,8	0,677	0,799	0,878	1,066													
20	0,684	0,808	0,888	1,079													
20,15	0,690	0,814	0,895	1,088													
21	0,721	0,852	0,937	1,140													
21,25	0,730	0,863	0,949	1,156	1,350												
21,6	0,743	0,879	0,967	1,177													
21,8	0,751	0,888	0,976	1,190	1,391												
22	0,758	0,897	0,986	1,202	1,405												
22,22 - 7/8"	0,766	0,906	0,997	1,216													
22,6	0,780	0,923	1,016	1,239													
22,8	0,788	0,932	1,026	1,251													
23	0,795	0,941	1,036	1,264	1,479												
23,5	0,814	0,963	1,060	1,294													
24	0,832	0,985	1,085	1,325													
24,2	0,840	0,994	1,095	1,338													
24,6	0,854	1,012	1,114	1,362													
24,7	0,858	1,016	1,119	1,368													
25	0,869	1,030	1,134	1,387	1,627												
25,1	0,873	1,034	1,139	1,393	1,635												
25,4	0,884	1,047	1,154	1,412	1,657												
26	0,906	1,074	1,184	1,449	1,701												
26,2	0,914	1,083	1,193	1,461													
26,6	0,928	1,101	1,213	1,486													
26,75	0,934	1,107	1,221	1,495	1,757												
26,9	0,939	1,114	1,228	1,504	1,768												
27	0,943	1,118	1,233	1,510	1,775												
28	0,980	1,163	1,282	1,572	1,849	2,010	2,217	2,367									
28,57	1,001	1,188	1,310	1,607													
29	1,017	1,207	1,331	1,634	1,923	2,091	2,308	2,466									
29,2	1,024	1,216	1,341	1,646													
29,5	1,036	1,229	1,356	1,664													
30	1,054	1,252	1,381	1,695	1,997	2,173	2,399	2,564									
31	1,091	1,296	1,430	1,757													
31,2	1,098	1,305	1,440	1,769	2,086	2,270	2,509	2,683	2,796	2,963	3,071	3,230	3,535				
31,6	1,113	1,323	1,460	1,794													
31,75 - 1¼"	1,119	1,329	1,467	1,803	2,130	2,319	2,564	2,742	2,858	3,029	3,141	3,304	3,618				
32	1,128	1,340	1,479	1,818	2,145	2,335	2,582	2,762	2,879	3,051	3,164	3,329	3,645				
33	1,165	1,385	1,529	1,880	2,219	2,417	2,673	2,860	2,982	3,162	3,280	3,452	3,783	3,994			
33,4 - 1N	1,180	1,402	1,548	1,905	2,249	2,449	2,710	2,900	3,024	3,207	3,326	3,501	3,839	4,054			
33,7	1,191	1,416	1,563	1,923	2,271	2,474	2,737	2,929	3,055	3,240	3,361	3,538	3,880	4,098			
34	1,202	1,429	1,578	1,942	2,293												
35	1,239	1,473	1,627	2,003	2,367	2,579	2,855	3,057									
35,5	1,257	1,496	1,652	2,034	2,404	2,620	2,901	3,107									
36	1,276	1,518	1,677	2,065	2,441	2,661	2,947	3,156	3,293	3,495	3,627	3,822	4,198	4,438			
37	1,313	1,562	1,726	2,127													
37,4	1,328	1,580	1,746	2,151													
38,1 - 1½"	1,354	1,611	1,780	2,194	2,589	2,832	3,138	3,363	3,511	3,728	3,871	4,081	4,488	4,749			
39	1,387	1,651	1,825	2,250	2,663	2,905	3,220	3,452	3,604	3,828	3,975	4,192	4,612	4,882			
39,5	1,405	1,673	1,849	2,281	2,700	2,945	3,266	3,501	3,656	3,883	4,033	4,253	4,681	4,956			
39,7	1,413	1,682	1,859	2,293	2,715												
40	1,424	1,695	1,874	2,312	2,737	2,986	3,312	3,551	3,707	3,939	4,091	4,315	4,750	5,030	5,235		
41	1,461	1,740	1,923	2,373	2,811												
41,3	1,472	1,753	1,938	2,392	2,833												
41,5	1,479	1,762	1,948	2,404	2,848												
42	1,498	1,784	1,973	2,435	2,885	3,149	3,494	3,748	3,914	4,161	4,323	4,561	5,026	5,326	5,546		
42,4	1,513	1,802	1,992	2,460	2,914	3,181	3,531	3,787	3,956	4,205	4,369	4,611	5,081	5,385	5,608		



ROUND TUBES EN 10305-3 S1, S2, S4 / EN 10217 / EN 10219 / EN 10224 / EN 10208-1 / EN 10255

Tubi tondi EN 10305-3 S1, S2, S4 / EN 10217 / EN 10219 / EN 10224 / EN 10208-1 / EN 10255

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
43	1,535	1,829	2,022	2,496	2,959	3,230	3,585	3,846								
44	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	4,612	4,870	5,371	5,696		
44,6	1,594	1,900	2,101	2,595	3,077											
45	1,609	1,917	2,120	2,620	3,107	3,393	3,768	4,044	4,225	4,494	4,670	4,931	5,440	5,770	6,012	6,249
46	1,646	1,962	2,170	2,681	3,181											
46,7	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	4,902	5,178	5,716	6,066	6,322	6,574
47,6	1,705	2,033	2,249	2,780	3,299											
48	1,720	2,050	2,268	2,805	3,329	3,637	4,041	4,340	4,536	4,827	5,018	5,301	5,854	6,213	6,478	6,737
48,3	1,731	2,064	2,283	2,823	3,351	3,662	4,069	4,369	4,567	4,860	5,053	5,338	5,896	6,258	6,524	6,786
48,5	1,738	2,073	2,293	2,836	3,366	3,678	4,087	4,389	4,588	4,882	5,076	5,363	5,924	6,287	6,555	6,819
49,3	1,768	2,108	2,333	2,885	3,425											
49,7	1,783	2,126	2,352	2,909	3,454											
50	1,794	2,139	2,367	2,928	3,477	3,800	4,224	4,537	4,743	5,048	5,250	5,548	6,131	6,509	6,788	7,063
50,8 - 2"	1,823	2,175	2,406	2,977	3,536	3,881	4,315	4,635	4,847	5,159	5,366	5,671	6,269	6,657	6,944	7,225
52	1,868	2,228	2,466	3,051	3,625	3,963	4,406	4,734	4,950	5,270	5,481	5,794	6,407	6,805	7,099	7,388
53	1,905	2,272	2,515	3,113	3,699	4,044	4,498	4,833	5,054	5,381	5,597	5,918	6,545	6,953	7,254	7,551
54	1,942	2,317	2,564	3,175	3,772	4,125	4,589	4,931	5,157	5,492	5,713	6,041	6,683	7,101	7,410	7,714
54,50	1,960	2,339	2,589	3,205	3,809	4,166	4,634	4,981	5,209	5,548	5,771	6,103	6,752	7,175	7,487	7,795
55	1,979	2,361	2,614	3,236	3,846	4,207	4,680	5,030	5,261	5,603	5,829	6,164	6,821	7,249	7,565	7,876
56	2,016	2,406	2,663	3,298	3,920	4,288	4,771	5,129	5,364	5,714	5,945	6,287	6,959	7,397	7,720	8,039
57	2,053	2,450	2,712	3,359	3,994	4,369	4,863	5,227	5,468	5,825	6,061	6,411	7,097	7,545		
58	2,090	2,494	2,762	3,421	4,068											
59	2,127	2,539	2,811	3,483	4,142											
60	2,164	2,583	2,860	3,544	4,216	4,614	5,136	5,523	5,779	6,158	6,409	6,781	7,511	7,989	8,342	8,690
60,30 - 2N	2,175	2,596	2,875	3,563	4,238	4,638	5,164	5,553	5,810	6,191	6,443	6,818	7,553	8,033	8,388	8,739
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	6,640	7,027	7,788	8,285	8,652	9,015
62,7	2,263	2,703	2,993	3,711	4,416											
63	2,275	2,716	3,008	3,729	4,438	4,858	5,410	5,819	6,089	6,491	6,756	7,150	7,926	8,433	8,808	9,178
63,50	2,293	2,738	3,033	3,760	4,475											
65	2,349	2,805	3,107	3,853	4,586	5,020	5,592	6,016	6,296	6,713	6,988	7,397	8,202	8,728	9,118	9,504
66	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	7,139	7,557	8,381	8,921		
68	2,460	2,938	3,255	4,038	4,808	5,264	5,866	6,312	6,607	7,046	7,336	7,767	8,616	9,172	9,584	9,992
70	2,533	3,027	3,353	4,161	4,956	5,427	6,049	6,509	6,814	7,268	7,567	8,013	8,892	9,468	9,895	10,317
70,5	2,552	3,049	3,378	4,192	4,993	5,468	6,094	6,559	6,866	7,323	7,625	8,075	8,961	9,542	9,973	10,399
72	2,607	3,116	3,452	4,284	5,104	5,590	6,231	6,707	7,021	7,489	7,799	8,260	9,168	9,764	10,206	10,643
73	2,644	3,160	3,501	4,346	5,178	5,671	6,322	6,805	7,125	7,600	7,915	8,383	9,306	9,912		
75	2,718	3,249	3,600	4,469	5,326	5,834	6,505	7,003	7,332	7,822	8,147	8,630	9,583	10,208	10,672	11,131
76	2,755	3,293	3,649	4,531	5,400	5,915	6,596	7,101	7,435	7,933	8,263	8,753	9,721	10,356	10,827	11,294
76,1	2,759	3,298	3,654	4,537	5,407	5,924	6,605	7,111	7,446	7,944	8,274	8,765	9,734	10,371	10,843	11,310
80	2,903	3,471	3,846	4,777	5,696	6,241	6,961	7,496	7,850	8,377	8,726	9,246	10,273	10,948	11,448	11,945
80,5	2,922	3,493	3,871	4,808	5,733	6,282	7,006	7,545	7,901	8,433	8,784	9,308	10,342	11,022	11,526	12,026
82	2,977	3,559	3,945	4,901	5,844	6,404	7,143	7,693	8,057	8,599	8,958	9,493	10,549	11,243	11,759	12,270
82,5	2,996	3,582	3,970	4,931	5,881	6,444	7,189	7,742	8,109	8,655	9,016	9,554	10,618	11,317	11,837	12,352
83	3,014	3,604	3,994	4,962	5,918	6,485	7,235	7,792	8,160	8,710	9,074	9,616	10,687	11,391	11,914	12,433
87		3,781	4,192	5,209	6,213	6,810	7,599	8,186	8,575	9,154	9,537	10,109	11,240	11,983		
88,9 - 3½"	3,232	3,866	4,285	5,326	6,354	6,965	7,773	8,373	8,771	9,365	9,758	10,343	11,502	12,264	12,831	13,393
89	3,236	3,870	4,290	5,332	6,361	6,973	7,782	8,383	8,782	9,376	9,769	10,356	11,516	12,279	12,846	13,409
90	3,273	3,914	4,340	5,394	6,435	7,055	7,873	8,482	8,885	9,487	9,885	10,479	11,654	12,427	13,002	13,572
90,5	3,292	3,937	4,364	5,424	6,472	7,095	7,919	8,531	8,937	9,542	9,943	10,541	11,723	12,501	13,079	13,653
95		4,136	4,586	5,702	6,805	7,461	8,329	8,975	9,403	10,041	10,465	11,096	12,344	13,167	13,778	14,386
96			4,635	5,764	6,879	7,543	8,421	9,074	9,507	10,152	10,580	11,219	12,482	13,315	13,934	14,548
100		4,358	4,833	6,010	7,175	7,868	8,785	9,468	9,921	10,596	11,044	11,712	13,035	13,906	14,555	15,199
101,60 - 4"		4,429	4,912	6,109	7,293	7,998	8,931	9,626	10,087	10,774	11,229	11,909	13,255	14,143	14,804	15,460
108		4,713	5,227	6,503	7,767	8,519	9,515	10,257	10,749	11,484	11,971	12,698	14,139	15,090	15,798	16,501
110		4,802	5,326	6,626	7,915	8,682	9,698	10,454	10,956	11,706	12,203	12,945	14,415	15,386	16,108	16,827
112		4,891	5,424	6,750	8,063	8,845	9,880	10,652	11,164	11,928	12,435	13,191	14,691	15,682	16,419	17,152
114,30 - 4½"		4,993	5,538	6,892	8,233	9,032	10,090	10,879	11,402	12,183	12,701	13,475	15,009	16,022	16,776	17,526
115			5,572	6,935	8,285	9,089	10,154	10,948	11,474	12,261	12,782	13,561	15,106	16,125	16,885	17,640
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

																weight kg/m
wall thickness mm																outside diameter (mm)
7	7,6	8	8,6	9	9,6	10	10,5	11	11,5	12	12,5	13	14	14,2	16	
																43
																44
																44,5
																44,6
																45
																46
																46,7
																47
																47,6
7,076	7,571	7,890														48
7,128	7,627	7,949														48,3
7,163	7,664	7,989														48,5
																49,3
																49,7
7,422	7,945	8,285														50
7,594	8,133	8,482														50,8 - 2"
7,767	8,320	8,679														52
7,939	8,508	8,876														53
8,112	8,695	9,074														54
8,198	8,789	9,172														54,50
8,285	8,882	9,271														55
8,457	9,070	9,468														56
																57
																58
																59
9,148	9,819	10,257	10,899	11,317	11,930	12,328										60
9,199	9,876	10,316	10,963	11,384	12,001	12,402										60,30 - 2N
																61
9,493	10,194	10,652	11,323	11,761	12,403	12,821										62
																62,7
9,665	10,381	10,849	11,535	11,983	12,640	13,068										63
																63,50
10,011	10,756	11,243	11,959	12,427	13,113	13,561										65
																66
																66,30
10,528	11,318	11,835	12,596	13,093	13,824	14,301										68
10,874	11,693	12,230	13,020	13,537	14,297	14,794	15,404	16,002	16,588							70
10,960	11,787	12,328	13,126	13,647	14,415	14,917	15,534	16,138	16,730							70,5
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				72
																73
11,737	12,630	13,216	14,080	14,646	15,480	16,027										75
11,909	12,818	13,413	14,292	14,868	15,717	16,273										76
11,926	12,836	13,433	14,313	14,890	15,741	16,298										76,1
12,600	13,567	14,202	15,140	15,756	16,664	17,260										80
12,686	13,661	14,301	15,246	15,867	16,782	17,383										80,5
12,945	13,942	14,597	15,564	16,199	17,137	17,753										82
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				82,5
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				83
																87
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				88,9 - 3 1/2"
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				89
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
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				90,5
15,189	16,378	17,161	18,321	19,084	20,215											95
15,361	16,565	17,358	18,533	19,306	20,451											96
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				100
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				101,60 - 4"
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				108
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				110
18,123																112
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			114,30 - 4 1/2"
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				115
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				120



ROUND TUBES EN 10305-3 S1, S2, S4 / EN 10217 / EN 10219 / EN 10224 / EN 10208-1 / EN 10255

Tubi tondi EN 10305-3 S1, S2, S4 / EN 10217 / EN 10219 / EN 10224 / EN 10208-1 / EN 10255

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
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
127 - 5"			6,164	7,674	9,172	10,065	11,249	12,131	12,717	13,592	14,173	15,041	16,763	17,901	18,749	19,593
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
152,40 - 6"				9,240	11,051	12,132	13,566	14,636	15,347	16,410	17,116	18,172	20,270	21,658	22,695	23,727
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

Round carbon steel welded precision tubes *Tubi tondi in acciaio al carbonio di precisione*



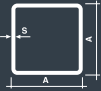
																weight kg/m
wall thickness mm																outside diameter (mm)
7	7,6	8	8,6	9	9,6	10	10,5	11	11,5	12	12,5	13	14	14,2	16	
19,676	21,250	22,290	23,834	24,854	26,369	27,369	28,608	29,835	31,049	32,251	33,441	34,618	36,936			121
19,849	21,438	22,487	24,046	25,076	26,606											122
20,194	21,812	22,881	24,470	25,520	27,079	28,109	29,385	30,648	31,900	33,139	34,365	35,580	37,971			124
20,366	22,000	23,079	24,682	25,742	27,316											125
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			127 - 5"
20,971	22,656	23,769	25,425	26,518	28,144	29,218	30,550	31,869	33,176	34,470						128,5
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				130
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			133
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
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			139,70
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			140
23,180	25,054	26,294	28,139	29,359	31,174	32,374										141,30
23,818	25,748	27,024	28,923	30,180	32,050	33,287										145
23,991	25,935	27,221	29,135	30,402	32,286	33,533										146
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	148
24,681	26,684	28,010	29,984	31,289	33,233	34,519										150
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			152
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	152,40 - 6"
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	159
26,407	28,558	29,983	32,104	33,508	35,600	36,985										160
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	168,30
28,133	30,432	31,955	34,224	35,728	37,967	39,451										170
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	173
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	177,80
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	186,50
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	193,70
33,570	36,335	38,169	40,904	42,718	45,424	47,218										201,5
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	203
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	219,08 - 8N
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	244,60
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	273,05 - 10N
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	323,85 - 12N
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	355,60 - 14N
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	406,40 - 16N

Round carbon steel welded precision tubes *Tubi tondi in acciaio al carbonio di precisione*



Square carbon steel welded precision tubes

Tubi quadri saldati in acciaio al carbonio di precisione

 SQUARE TUBES EN 10305-5 S1, S2, S3, S4 Tubi quadri EN 10305-3 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
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			
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	
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	
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
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
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
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
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
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
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
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
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
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
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
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
50,8 x 50,8 - 2" x 2"					1,562	1,715	1,867	2,168	2,318	2,764	3,058	3,781
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
76,2 x 76,2 - 3" x 3"									3,515	4,200	4,653	5,775
80 x 80									3,694	4,414	4,892	6,073
88,9 x 88,9 - 3½" x 3½"										4,917	5,451	6,772
90 x 90											5,520	6,858
100 x 100											6,148	7,643
101,6 x 101,6 - 4" x 4"											6,248	7,769
110 x 110												8,428
120 x 120												9,213
125 x 125												9,606
127 x 127 - 5" x 5"												9,763
130 x 130												9,998
140 x 140												
150 x 150												
152,4 x 152,4 - 6" x 6"												
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												

												weight kg/m
wall thickness mm												external dimensions
3	4	5	6	7	8	9,6	10	12	12,5	14	16	A x A mm - inch
												9 x 9
												10 x 10
												12 x 12
												12,7 x 12,7 - ½" x ½"
												13 x 13
												14 x 14
												15 x 15
												15,5 x 15,5
												15,87 x 15,87 - ⅝" x ⅝"
												16 x 16
												17 x 17
1,261												18 x 18
												19 x 19
												19,05 x 19,05 - ¾" x ¾"
1,450												20 x 20
1,638												22 x 22
												22,2 x 22,2 - ⅞" x ⅞"
1,827												24 x 24
1,921												25 x 25
1,958												25,4 x 25,4 - 1" x 1"
												27 x 27
2,203												28 x 28
2,392	2,996											30 x 30
2,557												31,75 x 31,75 - 1¼" x 1¼"
2,769	3,498											34 x 34
2,863	3,624											35 x 35
3,145	4,001											38 x 38
3,155	4,013											38,1 x 38,1 - 1½" x 1½"
3,334	4,252											40 x 40
3,522	4,503											42 x 42
3,805	4,880											45 x 45
4,087	5,257											48 x 48
4,276	5,508	6,644										50 x 50
4,351	5,609	6,769										50,8 x 50,8 - 2" x 2"
4,558	5,885											53 x 53
4,653	6,010	7,272										54 x 54
4,747	6,136	7,429										55 x 55
												59,3 x 59,3
5,218	6,764	8,214										60 x 60
5,547	7,204	8,763										63,5 x 63,5
5,595	7,266	8,842										64 x 64
5,689	7,392	8,999	10,509									65 x 65
5,877	7,643	9,313										67 x 67
6,160	8,020	9,784	11,451									70 x 70
6,442	8,397	10,255										73 x 73
6,631	8,648	10,569	12,393									75 x 75
6,744	8,799	10,757	12,619									76,2 x 76,2 - 3" x 3"
7,102	9,276	11,354	13,335	15,220	17,008							80 x 80
7,940	10,394	12,751	15,012									88,9 x 88,9 - 3½" x 3½"
8,044	10,532	12,924	15,219	17,418	19,520							90 x 90
8,986	11,788	14,494	17,103	19,616	22,032	25,698	26,575	30,733				100 x 100
9,137	11,989	14,745	17,405	19,968								101,6 x 101,6 - 4" x 4"
9,928	13,044	16,064	18,987	21,814								110 x 110
10,870	14,300	17,634	20,871	24,012	27,056	31,726	32,855	38,269				120 x 120
11,341	14,928	18,419	21,813	25,111	28,312							125 x 125
11,529	15,179	18,733	22,190	25,551	28,815							127 x 127 - 5" x 5"
11,812	15,556	19,204	22,755	26,210	29,568							130 x 130
12,754	16,812	20,774	24,639	28,408	32,080	37,755	39,135	45,805				140 x 140
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
13,922	18,370	22,721	26,975	31,133	35,195							152,4 x 152,4 - 6" x 6"
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
16,051	21,208	26,269	31,233	36,101	40,872							175 x 175
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
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
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
		38,044	45,363	52,586	59,712	70,914	73,675	87,253	90,587	100,444		250 x 250
		39,614	47,247	54,784	62,224	73,928	76,815	91,021	94,512	104,840		260 x 260
		45,894	54,783	63,576	72,272	85,986	89,375	106,093	110,212	122,424		300 x 300
		49,819	59,493	69,071	78,552	93,522	97,225	115,513	120,024	133,414		325 x 325

Rectangular carbon steel welded tubes

Tubi rettangolari saldati in acciaio al carbonio

 RECTANGULAR TUBES EN 10305-5 S2, S3, S4 Tubi rettangolari EN 10305-5 S2, S3, S4 weight kg/m													
external dimensions	wall thickness mm												
A x B mm - inches	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3
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		
25,4 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
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
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
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
38 x 19			0,695	0,779	0,862	0,944	1,026	1,188	1,268	1,504	1,657	2,030	
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
50 x 35					1,301	1,428	1,554	1,803	1,927	2,295	2,537	3,129	3,569
50 x 40					1,380	1,514	1,648	1,913	2,045	2,436	2,694	3,326	3,805
50 x 45					1,458	1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040
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
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
53,5 x 25					1,199	1,316	1,431	1,661	1,774	2,111	2,333	2,874	



RECTANGULAR TUBES EN 10305-5 S2, S3, S4

Tubi rettangolari EN 10305-5 S2, S3, S4

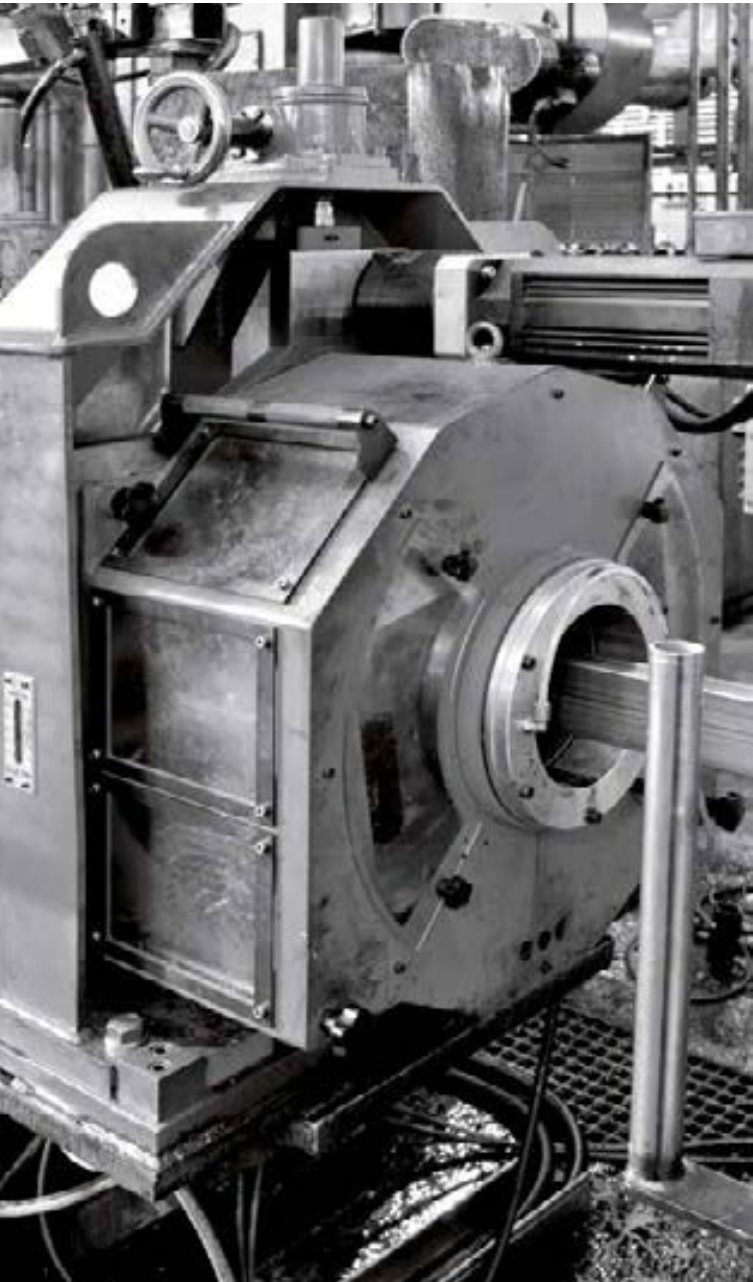
weight
kg/m

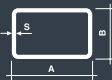
external dimensions	wall thickness mm												
A x B mm - inches	0,6	0,7	0,8	0,9	1	1,1	1,2	1,4	1,5	1,8	2	2,5	3
55 x 20					1,144	1,255	1,365	1,584	1,692	2,012	2,223	2,737	3,098
55 x 34									2,022	2,408	2,662	3,286	3,758
55 x 40					1,458	1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040
60 x 10					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
60 x 25					1,301	1,428	1,554	1,803	1,927	2,295	2,537	3,129	3,569
60 x 30					1,380	1,514	1,648	1,913	2,045	2,436	2,694	3,326	3,805
60 x 34					1,443	1,583	1,723	2,001	2,139	2,549	2,819	3,483	3,993
60 x 35						1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040
60 x 40						1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276
60 x 45						1,773	1,931	2,243	2,398	2,860	3,165	3,914	4,511
60 x 50						1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747
63,5 x 38,1 - 2 1/2" x 1 1/2"						1,715	1,867	2,168	2,318	2,764	3,058	3,781	4,351
65 x 35						1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276
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
70 x 20						1,514	1,648	1,913	2,045	2,436	2,694	3,326	3,805
70 x 25						1,601	1,742	2,023	2,163	2,578	2,851	3,522	4,040
70 x 30						1,687	1,836	2,133	2,281	2,719	3,008	3,718	4,276
70 x 35									2,398	2,860	3,165	3,914	4,511
70 x 40						1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747
70 x 50						2,032	2,213	2,573	2,752	3,284	3,636	4,503	5,218
75 x 50									2,869	3,425	3,793	4,699	5,453
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
76,2 x 25,4 - 3" x 1"						1,715	1,867	2,168	2,318	2,764	3,058	3,781	4,351
76,2 x 38,1 - 3" x 1 1/2"						1,934	2,106	2,447	2,617	3,123	3,457	4,279	4,949
76,2 x 50,8 - 3" x 2"									2,916	3,482	3,855	4,778	5,547
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
80 x 30						1,860	2,025	2,353	2,516	3,001	3,322	4,111	4,747
80 x 35						1,946	2,119	2,463	2,634	3,143	3,479	4,307	4,982
80 x 40						2,032	2,213	2,573	2,752	3,284	3,636	4,503	5,218
80 x 45									2,869	3,425	3,793	4,699	5,453
80 x 50									2,987	3,567	3,950	4,896	5,689
80 x 60									3,223	3,849	4,264	5,288	6,160



Rectangular carbon steel welded tubes

Tubi rettangolari saldati in acciaio al carbonio



	RECTANGULAR TUBES EN 10305-5 S1, S2, S4						weight kg/m	
	Tubi rettangolari EN 10305-5 S1, S2, S4							
external dimensions		wall thickness mm						
A x B mm - inches	1,5	1,8	2	2,5	3	4	5	
12 x 10	0,444							
15 x 10	0,514							
16 x 10	0,538							
16 x 18	0,726							
16,5 x 13,5	0,632							
18 x 5	0,467							
18 x 10	0,585							
18 x 11	0,609							
20 x 9	0,609							
20 x 10	0,632	0,741	0,810					
20 x 15	0,750	0,882	0,967					
20 x 15,5	0,762	0,896	0,982					
24 x 18	0,915	1,080	1,186					
25 x 10	0,750	0,882	0,967					
25,4 x 12,7 - 1" x ½"	0,823	0,970	1,064	1,289	1,360			
25 x 15	0,868	1,023	1,124					
25 x 20	0,985	1,165	1,281	1,559	1,685			
28 x 25	1,174	1,391	1,532					
30 x 10	0,868	1,023	1,124					
30 x 12	0,915	1,080	1,186					
30 x 15	0,985	1,165	1,281	1,559				
30 x 18	1,056	1,249	1,375					
30 x 20	1,103	1,306	1,438	1,756	1,921			
30 x 25	1,221	1,447	1,595	1,952	2,156			
31,75 x 19,05 - 1¼" x ¾"	1,122	1,328	1,463	1,787	1,958			
33 x 20	1,174	1,391	1,532					
34,9 x 15,8	1,120	1,326	1,460	1,783	1,954			
35 x 10	0,985	1,165	1,281	1,559				
35 x 15	1,103	1,306	1,438	1,756	1,921			
35 x 20	1,221	1,447	1,595	1,952	2,156			
35 x 25	1,339	1,588	1,752	2,148	2,392			
35 x 30	1,456	1,730	1,909	2,344	2,627	3,310		
38 x 19	1,268	1,504	1,657	2,030				
38,1 x 19,05 - 1½" x ¾"	1,271	1,508	1,662	2,036	2,258			
38,1 x 25,4 - 1½" x 1"	1,421	1,687	1,862	2,286	2,557			
40 x 10	1,103	1,306	1,438	1,756				
40 x 15	1,221	1,447	1,595	1,952				
40 x 20	1,339	1,588	1,752	2,148	2,392	2,996		
40 x 22	1,386	1,645	1,814	2,227	2,486	3,122		
40 x 25	1,456	1,730	1,909	2,344	2,627	3,310		
40 x 27	1,503	1,786	1,971	2,423	2,721	3,436		
40 x 30	1,574	1,871	2,066	2,541	2,863	3,624		
40 x 35	1,692	2,012	2,223	2,737	3,098	3,938		
42,5 x 29	1,609	1,913	2,113	2,600	2,933	3,718		
45 x 10	1,221	1,447	1,595	1,952	2,156			
45 x 15	1,339	1,588	1,752	2,148				
45 x 20	1,456	1,730	1,909	2,344	2,627	3,310		
45 x 25	1,574	1,871	2,066	2,541	2,863	3,624		
45 x 30	1,692	2,012	2,223	2,737	3,098	3,938		
45 x 35	1,810	2,154	2,380	2,933	3,334	4,252		
45 x 40	1,927	2,295	2,537	3,129	3,569	4,566		
48 x 20	1,527	1,814	2,003	2,462	2,769			
50 x 10	1,339	1,588	1,752	2,148				
50 x 15	1,456	1,730	1,909	2,344	2,627			
50 x 20	1,574	1,871	2,066	2,541	2,863			
50 x 25	1,692	2,012	2,223	2,737	3,098	3,938		
50 x 30	1,810	2,154	2,380	2,933	3,334	4,252		
50 x 35	1,927	2,295	2,537	3,129	3,569	4,566		
50 x 40	2,045	2,436	2,694	3,326	3,805	4,880		
50 x 45	2,163	2,578	2,851	3,522	4,040	5,194		
50,8 x 25,4 - 2" x 1"	1,720	2,046	2,260	2,784	3,155	4,013		
50,8 x 38,1 - 2" x 1½"	2,019	2,405	2,659	3,283	3,753	4,811	5,772	
53,5 x 25	1,774	2,111	2,333	2,874				
55 x 20	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		



RECTANGULAR TUBES **EN 10305-5 S1, S2, S4**

Tubi rettangolari EN 10305-5 S1, S2, S4

weight
kg/m

external dimensions	wall thickness mm														
A x B mm - inches	1,5	1,8	2	2,5	3	4	5	6	7	8	9	10	12	12,5	14
55 x 40	2,163	2,578	2,851	3,522	4,040	5,194									
60 x 10	1,574	1,871	2,066	2,541	2,863										
60 x 15	1,692	2,012	2,223	2,737	3,098										
60 x 20	1,810	2,154	2,380	2,933	3,334	4,252									
60 x 25	1,927	2,295	2,537	3,129	3,569	4,566									
60 x 30	2,045	2,436	2,694	3,326	3,805	4,880									
60 x 34	2,139	2,549	2,819	3,483	3,993	5,131									
60 x 35	2,163	2,578	2,851	3,522	4,040	5,194									
60 x 40	2,281	2,719	3,008	3,718	4,276	5,508	6,644								
60 x 45	2,398	2,860	3,165	3,914	4,511	5,822	7,036								
60 x 50	2,516	3,001	3,322	4,111	4,747	6,136	7,429								
63,5 x 38,1 - 2½" x 1½"	2,318	2,764	3,058	3,781	4,351	5,609	6,769								
65 x 35	2,281	2,719	3,008	3,718	4,276	5,508									
70 x 10	1,810	2,154	2,380	2,933											
70 x 11	1,833	2,182	2,411	2,972											
70 x 15	1,927	2,295	2,537	3,129	3,569	4,566									
70 x 20	2,045	2,436	2,694	3,326	3,805	4,880									
70 x 25	2,163	2,578	2,851	3,522	4,040	5,194									
70 x 30	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	2,516	3,001	3,322	4,111	4,747	6,136	7,429								
70 x 50	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	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									
76,2 x 25,4 - 3" x 1"	2,318	2,764	3,058	3,781	4,351	5,609	6,769								
76,2 x 38,1 - 3" x 1½"	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								
80 x 10	2,045	2,436	2,694	3,326											
80 x 15	2,163	2,578	2,851	3,522											
80 x 20	2,281	2,719	3,008	3,718	4,276										
80 x 22	2,328	2,775	3,070	3,797											
80 x 25	2,398	2,860	3,165	3,914	4,511	5,822									
80 x 30	2,516	3,001	3,322	4,111	4,747	6,136									
80 x 35	2,634	3,143	3,479	4,307	4,982	6,450	7,821								
80 x 40	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								
88,9 x 38,1 - 3½" x 1½"	2,916	3,482	3,855	4,778	5,547	7,204	8,763								
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					
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							
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									



RECTANGULAR TUBES EN 10305-5 S1, S2, S4

Tubi rettangolari EN 10305-5 S1, S2, S4

weight
kg/m

external dimensions	wall thickness mm														
A x B mm - inches	1,5	1,8	2	2,5	3	4	5	6	7	8	9	10	12	12,5	14
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								
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						
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						
150 x 100					11,341	14,928	18,419	21,813	25,111	28,312	31,417	34,425	40,153		
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						
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					
203,2 x 101,6 - 8" x 4"					13,922	18,370	22,721	26,975	31,133	35,195					
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



Structural round tubes

Tubi strutturali tondi

CE
0474



STRUCTURAL ROUND TUBES EN 10219 / EN 10210 - S235JRH, S275J0H/J2H, S355J0H/J2H

Tubi strutturali tondi EN 10219 / EN 10210 - S235JRH, S275J0H/J2H, S355J0H/J2H

outside diameter mm	wall thickness mm												
	3	4	4,2	4,5	4,7	5	5,6	6	6,3	6,6	7	7,6	8
48,3 - 1½"	3,351	4,369	4,567	4,860	5,053	5,338	5,896	6,258	6,524	6,786	7,128	7,627	7,949
50	3,477	4,537	4,743	5,048	5,250	5,548	6,131	6,509	6,788	7,063	7,422	7,945	8,285
50,8 - 2"	3,536	4,635	4,847	5,159	5,366	5,671	6,269	6,657	6,944	7,225	7,594	8,133	8,482
54	3,772	4,931	5,157	5,492	5,713	6,041	6,683	7,101	7,410	7,714	8,112	8,695	9,074
55	3,846	5,030	5,261	5,603	5,829	6,164	6,821	7,249	7,565	7,876	8,285	8,882	9,271
60,30 - 2"	4,238	5,553	5,810	6,191	6,443	6,818	7,553	8,033	8,388	8,739	9,199	9,876	10,316
63	4,438	5,819	6,089	6,491	6,756	7,150	7,926	8,433	8,808	9,178	9,665	10,381	10,849
65	4,586	6,016	6,296	6,713	6,988	7,397	8,202	8,728	9,118	9,504	10,011	10,756	11,243
70	4,956	6,509	6,814	7,268	7,567	8,013	8,892	9,468	9,895	10,317	10,874	11,693	12,230
76,1 - 2½"	5,407	7,111	7,446	7,944	8,274	8,765	9,734	10,371	10,843	11,310	11,926	12,836	13,433
80	5,696	7,496	7,850	8,377	8,726	9,246	10,273	10,948	11,448	11,945	12,600	13,567	14,202
83	5,918	7,792	8,160	8,710	9,074	9,616	10,687	11,391	11,914	12,433	13,117	14,129	14,794
88,9 - 3½"	6,354	8,373	8,771	9,365	9,758	10,343	11,502	12,264	12,831	13,393	14,136	15,235	15,958
90	6,435	8,482	8,885	9,487	9,885	10,479	11,654	12,427	13,002	13,572	14,326	15,441	16,175
100	7,175	9,468	9,921	10,596	11,044	11,712	13,035	13,906	14,555	15,199	16,052	17,315	18,147
101,60 - 4"	7,293	9,626	10,087	10,774	11,229	11,909	13,255	14,143	14,804	15,460	16,328	17,615	18,463
108	7,767	10,257	10,749	11,484	11,971	12,698	14,139	15,090	15,798	16,501	17,432	18,814	19,725
110	7,915	10,454	10,956	11,706	12,203	12,945	14,415	15,386	16,108	16,827	17,777	19,189	20,120
114,30 - 4½"	8,233	10,879	11,402	12,183	12,701	13,475	15,009	16,022	16,776	17,526	18,520	19,995	20,968
120	8,655	11,441	11,992	12,815	13,362	14,178	15,796	16,865	17,662	18,454	19,503	21,063	22,092
121	8,728	11,539	12,096	12,926	13,478	14,301	15,934	17,013	17,817	18,617	19,676	21,250	22,290
127 - 5"	9,172	12,131	12,717	13,592	14,173	15,041	16,763	17,901	18,749	19,593	20,712	22,374	23,473
130	9,394	12,427	13,028	13,925	14,521	15,410	17,177	18,345	19,215	20,081	21,229	22,937	24,065
133	9,616	12,723	13,338	14,258	14,868	15,780	17,591	18,788	19,681	20,570	21,747	23,499	24,657
139,70 - 5½"	10,112	13,384	14,032	15,001	15,645	16,606	18,516	19,780	20,722	21,660	22,904	24,754	25,978
146	10,578	14,005	14,685	15,700	16,375	17,383	19,386	20,712	21,701	22,685	23,991	25,935	27,221
148	10,726	14,202	14,892	15,922	16,607	17,630	19,662	21,008	22,011	23,011	24,336	26,310	27,616
152,40 - 6"	11,051	14,636	15,347	16,410	17,116	18,172	20,270	21,658	22,695	23,727	25,096	27,134	28,483
159	11,539	15,287	16,031	17,143	17,881	18,986	21,181	22,635	23,720	24,801	26,235	28,371	29,785
168,30	12,227	16,204	16,994	18,174	18,959	20,132	22,465	24,011	25,165	26,314	27,840	30,114	31,620
173	12,575	16,668	17,481	18,696	19,504	20,712	23,114	24,706	25,895	27,079	28,651	30,994	32,547
177,80	12,930	17,141	17,978	19,229	20,060	21,303	23,777	25,416	26,640	27,860	29,480	31,894	33,494
193,70 - 7"	14,106	18,710	19,624	20,993	21,903	23,264	25,972	27,768	29,110	30,448	32,224	34,873	36,630
203	14,809	19,646	20,608	22,047	23,003	24,435	27,284	29,174	30,586	31,994	33,864	36,654	38,504
219,10 - 8"	15,985	21,215	22,255	23,811	24,846	26,395	29,480	31,526	33,056	34,581	36,608	39,633	41,640
244,60 - 9"	17,871	23,730	24,895	26,640	27,801	29,539	33,001	35,299	37,017	38,731	41,009	44,412	46,670
273 - 10"	19,972	26,531	27,836	29,791	31,092	33,040	36,922	39,500	41,428	43,352	45,911	49,734	52,272
323,90 - 12"			33,108	35,439	36,991	39,315	43,950	47,030	49,335	51,636	54,696	59,272	62,312
355,60 - 14"			36,390	38,956	40,665	43,223	48,327	51,720	54,259	56,794	60,167	65,212	68,565
406,40 - 16"			41,651	44,593	46,552	49,486	55,341	59,235	62,150	65,061	68,935	74,731	78,586

Cost-efficiency, durability, flexibility, recyclability: steel is the sustainable choice for modern architecture, with Marcegaglia Carbon Steel certified product range of structural hollow section for steel structures.
Other applications in the sector include piling, scaffolding and shoring systems.

Efficienza, durata, versatilità, riciclabilità: l'acciaio è la scelta sostenibile per l'architettura contemporanea, con la gamma certificata Marcegaglia Carbon Steel di tubi tondi, quadri e rettangoli dedicata alla realizzazione di strutture in acciaio. Altre applicazioni nel settore includono la palificazione, la produzione di ponteggi e di sistemi di puntellazione.



wall thickness mm													outside diameter mm
8,6	9	9,6	10	10,5	11	11,5	12	12,5	13	14	14,2	16	
													48,3 - 1½"
													50
													50,8 - 2"
													54
													55
10,963	11,384	12,001	12,402										60,30 - 2"
11,535	11,983	12,640	13,068										63
11,959	12,427	13,113	13,561										65
13,020	13,537	14,297	14,794	15,404	16,002	16,588							70
14,313	14,890	15,741	16,298										76,1 - 2½"
15,140	15,756	16,664	17,260										80
15,776	16,421	17,374	17,999	18,770	19,528	20,274	21,008	21,729	22,438				83
17,027	17,731	18,771	19,454	20,297	21,128	21,947	22,753	23,547	24,329				88,9 - 3½"
17,261	17,975	19,031	19,725	20,582	21,427	22,259	23,079	23,886	24,681				90
19,381	20,194	21,398	22,191	23,171	24,139	25,094	26,037	26,968	27,887				100
19,720	20,549	21,777	22,586	23,585	24,573	25,548	26,511	27,461	28,400				101,60 - 4"
21,078	21,969	23,292	24,164	25,242	26,309	27,363	28,405	29,434	30,451				108
21,502	22,413	23,765	24,657	25,760	26,851	27,930	28,996	30,050	31,092				110
22,413	23,367	24,783	25,717	26,873	28,017	29,149	30,269	31,376	32,470	34,623			114,30 - 4½"
23,622	24,632	26,132	27,122	28,349	29,563	30,765	31,955	33,132	34,297				120
23,834	24,854	26,369	27,369	28,608	29,835	31,049	32,251	33,441	34,618	36,936			121
25,106	26,185	27,789	28,848	30,161	31,462	32,750	34,026	35,290	36,541	39,007			127 - 5"
25,743	26,851	28,499	29,588	30,938	32,276	33,601	34,914	36,215	37,503				130
26,379	27,517	29,209	30,328	31,715	33,089	34,452	35,802	37,139	38,464	41,078			133
27,799	29,004	30,795	31,980	33,449	34,906	36,351	37,784	39,204	40,612	43,391			139,70 - 5½"
29,135	30,402	32,286	33,533										146
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	148
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	152,40 - 6"
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	159
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	168,30
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	173
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	177,80
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	193,70 - 7"
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	203
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	219,10 - 8"
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	244,60 - 9"
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	273 - 10"
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	323,90 - 12"
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	355,60 - 14"
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	406,40 - 16"

Structural square tubes

Tubi strutturali quadrati

CE
0474



STRUCTURAL SQUARE TUBES EN 10219 - S235JRH, S275J0H/J2H, S355J0H/J2H

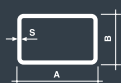
Tubi strutturali quadrati EN 10219 - S235JRH, S275J0H/J2H, S355J0H/J2H

weight
kg/m

external dimensions	wall thickness mm										
A x A mm - inch	4	5	6	7	8	9,6	10	12	12,5	14	16
50 x 50	5,454	6,559									
50,8 x 50,8 - 2" x 2"	5,554	6,684									
53 x 53	5,830										
54 x 54	5,956	7,187									
55 x 55	6,082	7,344									
59,3 x 59,3											
60 x 60	6,710	8,129									
63,5 x 63,5	7,149	8,678									
64 x 64	7,212	8,757									
65 x 65	7,338	8,914	10,386								
67 x 67	7,589	9,228									
70 x 70	7,966	9,699	11,328								
73 x 73	8,342	10,170									
75 x 75	8,594	10,484	12,270								
76,2 x 76,2 - 3" x 3"	8,744	10,672	12,497								
80 x 80	9,222	11,269	13,212	14,722	16,358						
88,9 x 88,9 - 3½" x 3½"	10,339	12,666	14,889								
90 x 90	10,478	12,839	15,096	16,920	18,870						
100 x 100	11,734	14,409	16,980	19,118	21,382	24,761	25,560	28,298			
101,6 x 101,6 - 4" x 4"	11,935	14,660	17,282	19,470							
110 x 110	12,990	15,979	18,864	21,316							
120 x 120	14,246	17,549	20,748	23,514	26,406	30,790	31,840	35,834			
125 x 125	14,874	18,334	21,690	24,613	27,662						
127 x 127 - 5" x 5"	15,125	18,648	22,067	25,053	28,165						
130 x 130	15,502	19,119	22,632	25,712	28,918						
140 x 140	16,758	20,689	24,516	27,910	31,430	36,819	38,120	43,370			
150 x 150	18,014	22,259	26,400	30,108	33,942	39,833	41,260	47,138	48,695	53,170	
152,4 x 152,4 - 6" x 6"	18,315	22,635	26,853	30,636	34,545						
160 x 160	19,270	23,829	28,284	32,306	36,454	42,848	44,400	50,906	52,620	57,566	
175 x 175	21,154	26,184	31,110	35,603	40,222						
180 x 180	21,782	26,969	32,052	36,702	41,478	48,877	50,680	58,442	60,470	66,358	73,752
200 x 200	24,294	30,109	35,820	41,098	46,502	54,905	56,960	65,978	68,320	75,150	83,800
220 x 220	26,806	33,249	39,588	45,494	51,526	60,934	63,240	73,514	76,170	83,942	93,848
250 x 250		37,959	45,240	52,088	59,062	69,977	72,660	84,818	87,945	97,130	108,920
260 x 260		39,529	47,124	54,286	61,574	72,992	75,800	88,586	91,870	101,526	113,944
300 x 300		45,809	54,660	63,078	71,622	85,049	88,360	103,658	107,570	119,110	134,040
325 x 325		49,734	59,370	68,573	77,902	92,585	96,210	113,078	117,382	130,100	146,600

Structural rectangular tubes

Tubi strutturali rettangolari



STRUCTURAL RECTANGULAR TUBES EN 10219 - S235JRH, S275J0H/J2H, S355J0H/J2H

Tubi strutturali rettangolari EN 10219 - S235JRH, S275J0H/J2H, S355J0H/J2H

weight
kg/m

external dimensions	wall thickness mm										
A x B mm	4	5	6	7	8	9	10	12	12,5	14	16
40 x 20	2,942										
50 x 30	4,198										
60 x 40	5,454	6,559									
60 x 50	6,082	7,344									
70 x 30	5,454										
70 x 35	5,768										
70 x 40	6,082	7,344									
70 x 50	6,710	8,129									
80 x 40	6,710	8,129									
80 x 50	7,338	8,914									
80 x 60	7,966	9,699	11,328								
90 x 40	7,338	8,914	10,386								
90 x 50	7,966	9,699	11,328								
100 x 30	7,338										
100 x 40	7,966	9,699	11,328								
100 x 50	8,594	10,484	12,270								
100 x 60	9,222	11,269	13,212	14,722	16,358						
100 x 80	10,478	12,839	15,096	16,920	18,870						
110 x 50	9,222	11,269	13,212								
120 x 40	9,222	11,269	13,212								
120 x 50	9,850	12,054	14,154								
120 x 60	10,478	12,839	15,096	16,920	18,870						
120 x 80	11,734	14,409	16,980	19,118	21,382						
140 x 60	11,734	14,409	16,980	19,118							
140 x 70	12,362	15,194	17,922	20,217	22,638						
140 x 80	12,990	15,979	18,864	21,316	23,894						
150 x 50	11,734	14,409	16,980								
150 x 100	14,874	18,334	21,690	24,613	27,662	30,594	33,410	37,718			
160 x 80	14,246	17,549	20,748	23,514	26,406						
160 x 90	14,874	18,334	21,690	24,613	27,662	30,594	33,410	37,718			
180 x 80	15,502	19,119	22,632	25,712	28,918						
180 x 100	16,758	20,689	24,516	27,910	31,430	34,833	38,120	43,370	44,770	48,774	
200 x 80	16,758	20,689	24,516	27,910	31,430						
200 x 100	18,014	22,259	26,400	30,108	33,942	37,659	41,260	47,138	48,695	53,170	
200 x 120	19,270	23,829	28,284	32,306	36,454	40,485	44,400	50,906	52,620	57,566	
200 x 150	21,154	26,184	31,110	35,603	40,222	44,724	49,110	56,558			
250 x 100	21,154	26,184	31,110	35,603	40,222	44,724	49,110	56,558			
250 x 150	24,294	30,109	35,820	41,098	46,502	51,789	56,960	65,978	68,320	75,150	83,800
260 x 140	24,294	30,109	35,820	41,098	46,502	51,789	56,960	65,978	68,320	75,150	83,800
300 x 100	24,294	30,109	35,820	41,098	46,502	51,789	56,960	65,978	68,320	75,150	83,800
300 x 150	27,434	34,034	40,530	46,593	52,782	58,854	64,810	75,398	78,132	86,140	96,360
300 x 200		37,959	45,240	52,088	59,062	65,919	72,660	84,818	87,945	97,130	108,920
350 x 150		37,959	45,240	52,088	59,062	65,919	72,660	84,818	87,945	97,130	108,920
350 x 250		45,809	54,660	63,078	71,622	80,049	88,360	103,658	107,570	119,110	134,040
400 x 200		45,809	54,660	63,078	71,622	80,049	88,360	103,658	107,570	119,110	134,040
400 x 250		49,734	59,370	68,573	77,902	87,114	96,210	113,078	117,382	130,100	146,600

Round tubes for pressure purposes, for pipelines, for the conveyance of water

Tubi tondi per impieghi a pressione, per condotte, per il convogliamento di acque

 ROUND TUBES EN 10217-1, -2 / EN 10208-1 / EN 10224 Tubi tondi EN 10217-1, -2 / EN 10208-1 / EN 10224											
outside diameter (mm)	wall thickness mm										
	1,8	2,1	2,3	2,6	2,9	3,2	3,6	4	4,2	4,5	5
21,25 - ½"	0,863	0,992	1,075	1,196	1,312						
22	0,897	1,030	1,117	1,244	1,366						
23	0,941	1,082	1,174	1,308	1,437						
25	1,030	1,186	1,287	1,436	1,580						
25,40 - 1"	1,047	1,206	1,310	1,462	1,609						
26,75 - ¾"	1,107	1,276	1,387	1,548	1,705						
28	1,163	1,341	1,457	1,628	1,795	1,957	2,166	2,367			
29	1,207	1,393	1,514	1,692	1,866	2,036	2,255	2,466			
30	1,252	1,445	1,571	1,757	1,938	2,115	2,343	2,564			
31,8	1,331	1,538	1,673	1,872	2,066	2,257	2,503	2,742	2,858	3,029	3,304
32	1,340	1,548	1,684	1,885	2,081	2,272	2,521	2,762	2,879	3,051	3,329
33,4 - 1"	1,402	1,621	1,764	1,975	2,181	2,383	2,645	2,900	3,024	3,207	3,501
35	1,473	1,704	1,854	2,077	2,295	2,509	2,787	3,057			
38	1,607	1,859	2,025	2,269	2,510	2,746	3,053	3,353	3,500	3,717	4,068
39	1,651	1,911	2,081	2,334	2,581	2,825	3,142	3,452	3,604	3,828	4,192
40	1,695	1,962	2,138	2,398	2,653	2,904	3,231	3,551	3,707	3,939	4,315
42,4 - 1¼"	1,802	2,087	2,274	2,551	2,824	3,093	3,444	3,787	3,956	4,205	4,611
44,5	1,895	2,195	2,393	2,686	2,975	3,259	3,630	3,994	4,173	4,438	4,870
48,3 - 1½"	2,064	2,392	2,609	2,930	3,246	3,558	3,968	4,369	4,567	4,860	5,338
50	2,139	2,480	2,705	3,039	3,368	3,693	4,119	4,537	4,743	5,048	5,548
51	2,184	2,532	2,762	3,103	3,439	3,771	4,207	4,635	4,847	5,159	5,671
52	2,228	2,584	2,819	3,167	3,511	3,850	4,296	4,734	4,950	5,270	5,794
54	2,317	2,687	2,932	3,295	3,654	4,008	4,474	4,931	5,157	5,492	6,041
55	2,361	2,739	2,989	3,359	3,725	4,087	4,562	5,030	5,261	5,603	6,164
56	2,406	2,791	3,045	3,423	3,797	4,166	4,651	5,129	5,364	5,714	6,287
57	2,450	2,843	3,102	3,487	3,868	4,245	4,740	5,227	5,468	5,825	6,411
60,30 - 2"	2,596	3,014	3,289	3,699	4,104	4,505	5,033	5,553	5,810	6,191	6,818
63	2,716	3,153	3,442	3,872	4,297	4,718	5,273	5,819	6,089	6,491	7,150
65	2,805	3,257	3,556	4,000	4,440	4,876	5,450	6,016	6,296	6,713	7,397
68	2,938	3,412	3,726	4,193	4,655	5,113	5,716	6,312	6,607	7,046	7,767
70	3,027	3,516	3,839	4,321	4,798	5,271	5,894	6,509	6,814	7,268	8,013
73	3,160	3,671	4,009	4,513	5,012	5,507	6,160	6,805	7,125	7,600	8,383
75	3,249	3,775	4,123	4,641	5,155	5,665	6,338	7,003	7,332	7,822	8,630
76,1 - 2½"	3,298	3,832	4,185	4,712	5,234	5,752	6,435	7,111	7,446	7,944	8,765
80	3,471	4,034	4,406	4,962	5,513	6,060	6,782	7,496	7,850	8,377	9,246
82,5	3,582	4,163	4,548	5,122	5,692	6,257	7,003	7,742	8,109	8,655	9,554
87	3,781	4,396	4,803	5,411	6,014	6,612	7,403	8,186	8,575	9,154	10,109
88,9 - 3½"	3,866	4,494	4,911	5,532	6,149	6,762	7,572	8,373	8,771	9,365	10,343
95	4,136	4,810	5,257	5,924	6,586	7,243	8,113	8,975	9,403	10,041	11,096
96		4,862	5,314	5,988	6,657	7,322	8,202	9,074	9,507	10,152	11,219
100	4,358	5,069	5,541	6,244	6,943	7,638	8,557	9,468	9,921	10,596	11,712
101,60 - 4"	4,429	5,152	5,631	6,347	7,057	7,764	8,699	9,626	10,087	10,774	11,909
108	4,713	5,483	5,994	6,757	7,515	8,269	9,267	10,257	10,749	11,484	12,698
110	4,802	5,587	6,108	6,885	7,658	8,427	9,445	10,454	10,956	11,706	12,945
114,30 - 4½"	4,993	5,810	6,352	7,161	7,966	8,766	9,826	10,879	11,402	12,183	13,475
115		5,846	6,391	7,206	8,016	8,821	9,888	10,948	11,474	12,261	13,561
120		6,105	6,675	7,526	8,373	9,216	10,332	11,441	11,992	12,815	14,178
121		6,157	6,732	7,590	8,445	9,295	10,421	11,539	12,096	12,926	14,301
127 - 5"		6,467	7,072	7,975	8,874	9,768	10,953	12,131	12,717	13,592	15,041
130			7,242	8,167	9,088	10,005	11,220	12,427	13,028	13,925	15,410
133			7,412	8,360	9,303	10,241	11,486	12,723	13,338	14,258	15,780
139,70 - 5½"			7,792	8,789	9,782	10,770	12,081	13,384	14,032	15,001	16,606
141,30			7,883	8,892	9,896	10,896	12,223	13,541	14,198	15,179	16,804
146				9,193	10,232	11,267	12,640	14,005	14,685	15,700	17,383
148			8,263	9,321	10,375	11,425	12,818	14,202	14,892	15,922	17,630
150				9,449	10,518	11,583	12,995	14,400	15,099	16,144	17,876
152,40 - 6"			8,512	9,603	10,690	11,772	13,208	14,636	15,347	16,410	18,172
159			8,887	10,026	11,162	12,293	13,794	15,287	16,031	17,143	18,986
168,30					11,827	13,027	14,619	16,204	16,994	18,174	20,132
170					11,948	13,161	14,770	16,372	17,170	18,363	20,342
177,80					12,506	13,776	15,463	17,141	17,978	19,229	21,303
186,50					13,128	14,463	16,235	17,999	18,879	20,194	22,376
193,70 - 7"					13,643	15,031	16,874	18,710	19,624	20,993	23,264

										weight kg/m
wall thickness mm										outside diameter (mm)
5,6	6	6,3	7,1	8	10	11	12,5	14,2	16	
										21,25 - ½"
										22
										23
										25
										25,40 - 1"
										26,75 - ¾"
										28
										29
										30
3,618										31,8
3,645										32
3,839	4,054									33,4 - 1"
										35
4,474	4,734									38
4,612	4,882									39
4,750	5,030	5,235								40
5,081	5,385	5,608								42,4 - 1¼"
5,371	5,696									44,5
5,896	6,258	6,524	7,213	7,949						48,3 - 1½"
6,131	6,509	6,788	7,510	8,285						50
6,269	6,657	6,944	7,685	8,482						51
6,407	6,805	7,099	7,860	8,679						52
6,683	7,101	7,410	8,210	9,074						54
6,821	7,249	7,565	8,385	9,271						55
6,959	7,397	7,720	8,561	9,468						56
7,097	7,545		8,736							57
7,553	8,033	8,388	9,313	10,316	12,402					60,30 - 2"
7,926	8,433	8,808	9,786	10,849	13,068					63
8,202	8,728	9,118	10,136	11,243	13,561					65
8,616	9,172	9,584	10,661	11,835	14,301					68
8,892	9,468	9,895	11,011	12,230	14,794	16,002				70
9,306	9,912		11,537							73
9,583	10,208	10,672	11,887	13,216	16,027					75
9,734	10,371	10,843	12,079	13,433	16,298					76,1 - 2½"
10,273	10,948	11,448	12,762	14,202	17,260					80
10,618	11,317	11,837	13,200	14,695	17,876	19,392	21,575			82,5
11,240	11,983		13,987							87
11,502	12,264	12,831	14,320	15,958	19,454	21,128	23,547			88,9 - 3½"
12,344	13,167	13,778	15,388	17,161						95
12,482	13,315	13,934	15,563	17,358						96
13,035	13,906	14,555	16,263	18,147	22,191	24,139	26,968			100
13,255	14,143	14,804	16,543	18,463	22,586	24,573	27,461			101,60 - 4"
14,139	15,090	15,798	17,664	19,725	24,164	26,309	29,434			108
14,415	15,386	16,108	18,014	20,120	24,657	26,851	30,050			110
15,009	16,022	16,776	18,767	20,968	25,717	28,017	31,376			114,30 - 4½"
15,106	16,125	16,885	18,889	21,106	25,890	28,207	31,591			115
15,796	16,865	17,662	19,765	22,092	27,122	29,563	33,132			120
15,934	17,013	17,817	19,940	22,290	27,369	29,835	33,441			121
16,763	17,901	18,749	20,990	23,473	28,848	31,462	35,290			127 - 5"
17,177	18,345	19,215	21,515	24,065	29,588	32,276	36,215			130
17,591	18,788	19,681	22,040	24,657	30,328	33,089	37,139			133
18,516	19,780	20,722	23,213	25,978	31,980	34,906	39,204			139,70 - 5½"
18,737	20,016	20,971	23,493	26,294	32,374					141,30
19,386	20,712	21,701	24,316	27,221	33,533					146
19,662	21,008	22,011	24,666	27,616	34,026	37,158	41,762	46,847	52,075	148
19,938	21,303	22,322	25,016	28,010	34,519					150
20,270	21,658	22,695	25,437	28,483	35,111	38,351	43,118	48,387	53,811	152,40 - 6"
21,181	22,635	23,720	26,592	29,785	36,738	40,141	45,153	50,698	56,415	159
22,465	24,011	25,165	28,220	31,620	39,032	42,663	48,019	53,954	60,083	168,30
22,700	24,262	25,429	28,518	31,955	39,451					170
23,777	25,416	26,640	29,883	33,494	41,374	45,240	50,947	57,280	63,831	177,80
24,978	26,703	27,992	31,406	35,210	43,519	47,600	53,628	60,327	67,263	186,50
25,972	27,768	29,110	32,667	36,630	45,294	49,553	55,847	62,847	70,104	193,70 - 7"



ROUND TUBES EN 10217-1, -2 / EN 10208-1 / EN 10224

Tubi tondi EN 10217-1, -2 / EN 10208-1 / EN 10224

outside diameter (mm)	wall thickness mm										
	1,8	2,1	2,3	2,6	2,9	3,2	3,6	4	4,2	4,5	5
203					14,322	15,780	17,717	19,646	20,608	22,047	24,435
219,10 - 8"					15,459	17,035	19,129	21,215	22,255	23,811	26,395
244,60 - 9"					17,283	19,047	21,392	23,730	24,895	26,640	29,539
273 - 10"					19,313	21,288	23,913	26,531	27,836	29,791	33,040
323,90 - 12"									33,108	35,439	39,315
355,60 - 14"									36,390	38,956	43,223
406,40 - 16"									41,651	44,593	49,486



Round tubes for pressure purposes, for pipelines, for the conveyance of water

Tubi tondi per impieghi a pressione, per condotte, per il convogliamento di acque

										weight kg/m
wall thickness mm										outside diameter (mm)
5,6	6	6,3	7,1	8	10	11	12,5	14,2	16	
27,284	29,174	30,586	34,330	38,504	47,637	52,129	58,775	66,174	73,852	203
29,480	31,526	33,056	37,113	41,640	51,557	56,442	63,676	71,741	80,124	219,10 - 8"
33,001	35,299	37,017	41,577	46,670	57,845	63,358	71,535	80,669	90,184	244,60 - 9"
36,922	39,500	41,428	46,549	52,272	64,847	71,061	80,288	90,612	101,388	273 - 10"
43,950	47,030	49,335	55,460	62,312	77,397	84,866	95,976	108,434	121,469	323,90 - 12"
48,327	51,720	54,259	61,009	68,565	85,214	93,464	105,746	119,533	133,975	355,60 - 14"
55,341	59,235	62,150	69,902	78,586	97,739	107,242	121,403	137,319	154,016	406,40 - 16"

Round tubes suitable for welding and threading

Tubi tondi adatti alla saldatura e alla filettatura

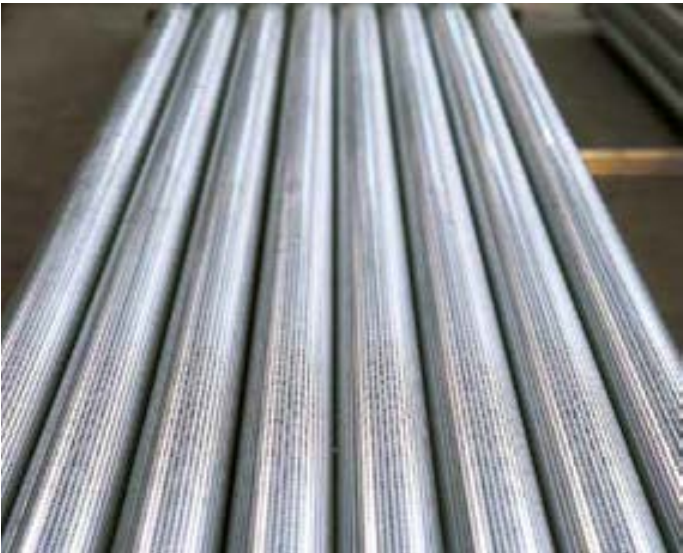
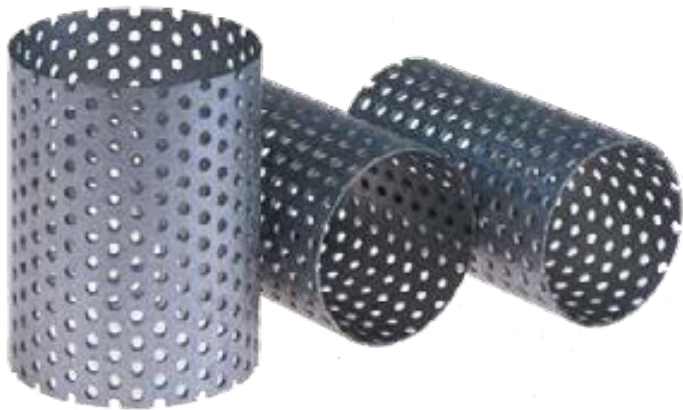
outside diameter (mm)	Wall thickness mm						
	2,6	3,2	3,6	4,0	4,5	5	5,4
21,3	•	•					
26,9	•	•					
33,7		•		•			
42,4		•		•			
48,3		•		•			
60,3			•		•		
76,1			•		•		
88,9				•		•	
114,3					•		•
139,7						•	•
168,3						•	•



Exhaust aluminised round tubes

Tubi tondi alluminati per marmitte

 EXHAUST ALUMINISED ROUND TUBES Tubi tondi alluminati per marmitte				
outside diameter (mm)	wall thickness mm			
	1,2	1,5	1,8	2
12				•
15				•
30	•	•	•	•
32	•	•	•	•
33	•	•	•	•
35	•	•	•	•
36	•	•	•	•
38	•	•	•	•
40	•	•	•	•
41	•	•	•	•
42	•	•	•	•
43	•	•	•	•
45	•	•	•	•
46	•	•	•	•
48	•	•	•	•
50	•	•	•	•
51	•	•	•	•
52	•	•	•	•
54	•	•	•	•
55	•	•	•	•
57	•	•	•	•
58	•	•	•	•
60	•	•	•	•
63	•	•	•	•
63,5	•	•	•	•
65	•	•	•	•
70	•	•	•	•
75	•	•	•	•
76	•	•	•	•
80	•	•	•	•
89	•	•	•	•
90	•	•	•	•





DRILLED ALUMINISED ROUND TUBES

Tubi tondi alluminati forati

F3 P6

outside diameter (mm)	wall thickness mm			
	1,2	1,5	1,8	2
32	•	•	•	•
35	•	•	•	•
38	•	•	•	•
40	•	•	•	•
42	•	•	•	•
45	•	•	•	•
48		•	•	•
50		•	•	•
52		•	•	•
55		•	•	•
60		•	•	•
65		•	•	•
70		•	•	•
76		•	•	•
80		•	•	•
89		•	•	•



DRILLED ALUMINISED ROUND TUBES

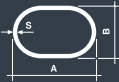
Tubi tondi alluminati forati

F4 P8

outside diameter (mm)	wall thickness mm			
	1,2	1,5	1,8	2
32	•	•	•	•
35	•	•	•	•
38	•	•	•	•
40	•	•	•	•
42	•	•	•	•
45	•	•	•	•
48		•	•	•
50		•	•	•
52		•	•	•
55		•	•	•
60		•	•	•
65		•	•	•
70		•	•	•
76		•	•	•
80		•	•	•
89		•	•	•

Oval carbon steel welded tubes

Tubi ovali saldati in acciaio al carbonio

 OVAL TUBES EN 10305-3 S1, S2, S3, S4 Tubi ovali EN 10305-3 S1, S2, S3, S4 weight kg/m													
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 5	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	



OVAL TUBES EN 10305-3 S1, S2, S3, S4

Tubi ovali EN 10305-3 S1, S2, S3, S4

weight
kg/m

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



Elliptical carbon steel welded tubes

Tubi ellittici saldati in acciaio al carbonio

 ELLIPTICAL TUBES EN 10305-3 S1, S2, S3, S4 Tubi ellittici EN 10305-3 S1, S2, S3, S4 weight kg/m														
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
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
165 x 125														10,730
														13,20



Triangular carbon steel welded tubes

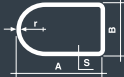
Tubi triangolari saldati in acciaio al carbonio

 TRIANGULAR TUBES EN 10305-3 S1, S2, S4 Tubi triangolari EN 10305-3 S1, S2, S4		weight kg/m			
external dimensions		wall thickness mm			
A x B mm	TAV	1,5	2	2,5	3
30 x 15	1338				
40 x 22	633				
36,5 x 37,5	1871				
43 x 43	1870				
49,5 x 46,5	1858				
126 x 145	1874				



Semioval carbon steel welded tubes

Tubi semiovali saldati in acciaio al carbonio



SEMIOVAL TUBULAR SECTIONS EN 10305-3 S3

Tubi semiovali EN 10305-3 S3

weight
kg/m

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												
25 x 25												
30 x 15												
30 x 20												
30 x 30												
35 x 20												
35 x 25												
35 x 30												
35 x 35												
38 x 20												
38 x 22												
40 x 15												
40 x 20												
40 x 25												
40 x 30												
40 x 32												
41 x 35												
45 x 40												
48,5 x 35												
50 x 25												
50 x 30												
55 x 35												
60 x 30												
60 x 40												
80 x 40												
90 x 15												
102 x 20												

Special shapes for window and door frames

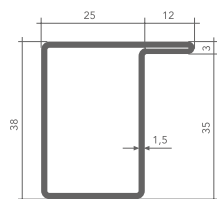
EN 10305-3 S1, S2, S4

Tubi sagome speciali per serramenti EN 10305-3 S1, S2, S4



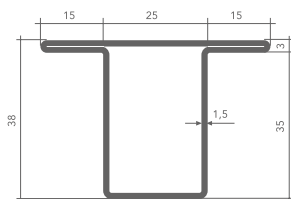
- **Enlargement or reduction percentage of the drawings**
Percentuale di ingrandimento o di riduzione dei disegni

1A (T. 873) • 55%



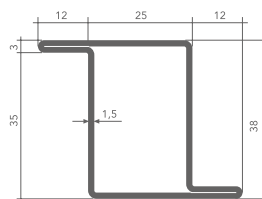
Thickness (mm)	kg/m
1,5	1,72

1B (T. 572) • 55%



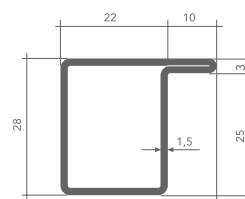
Thickness (mm)	kg/m
1,5	2,10

1C (T. 573) • 55%



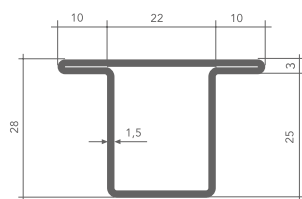
Thickness (mm)	kg/m
1,5	1,99

11A (T. 668) • 65%



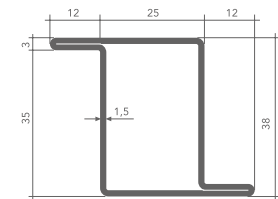
Thickness (mm)	kg/m
1,5	1,34

11B (T. 658) • 65%



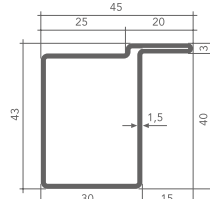
Thickness (mm)	kg/m
1,5	1,57

11C (T. 667) • 55%



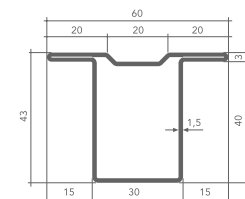
Thickness (mm)	kg/m
1,5	1,57

15A (T. 625) • 45%



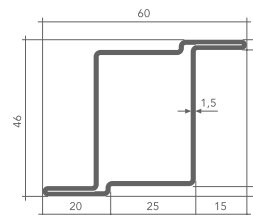
Thickness (mm)	kg/m
1,5	2,04

15T (T. 626) • 40%



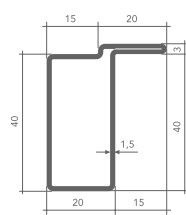
Thickness (mm)	kg/m
1,5	2,45

15Z (T. 635) • 45%



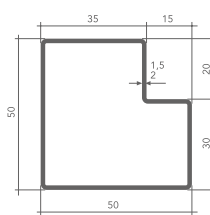
Thickness (mm)	kg/m
1,5	2,45

14A (T. 1183) • 45%



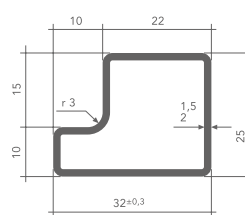
Thickness (mm)	kg/m
1,5	1,79

12A (T. 1141) • 40%



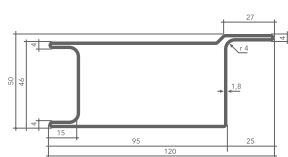
Thickness (mm)	kg/m
1,5	2,30

10A (T. 1908) • 65%



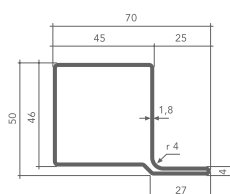
Thickness (mm)	kg/m
1,5	1,27

TS 20 D (T. 2037) • 25%



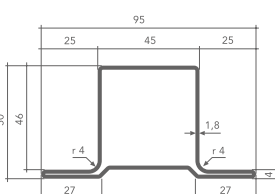
Thickness (mm)	kg/m
1,8	4,99

TS 20 L (T. 2014) • 30%



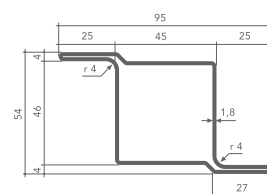
Thickness (mm)	kg/m
1,8	3,29

TS 20 T (T. 2012) • 30%



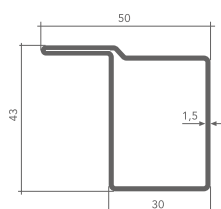
Thickness (mm)	kg/m
1,8	4,06

TS 20 Z (T. 2013) • 30%



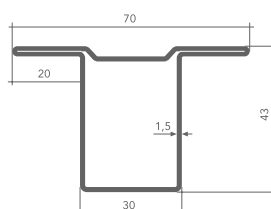
Thickness (mm)	kg/m
1,8	4,06

TS 21 L (T. 1865) • 45%



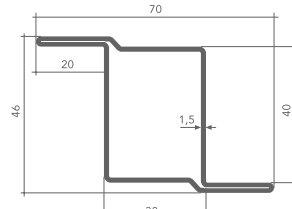
Thickness (mm)	kg/m
1,5	2,05

TS 21 L (T. 1996) • 45%



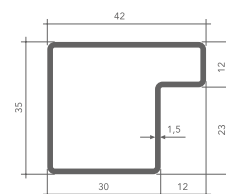
Thickness (mm)	kg/m
1,5	2,64

TS 21 Z (T. 1972) • 45%



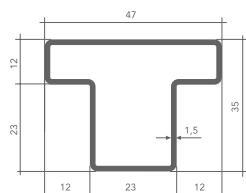
Thickness (mm)	kg/m
1,5	2,64

2A (T. 610) • 50%



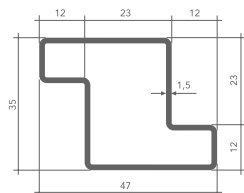
Thickness (mm)	kg/m
1,5	1,76

2B (T. 601) • 50%



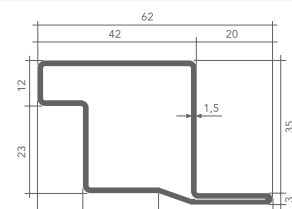
Thickness (mm)	kg/m
1,5	1,88

2Z (T. 595) • 50%



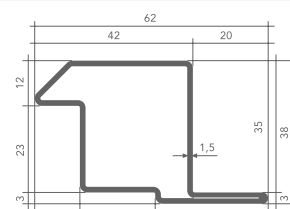
Thickness (mm)	kg/m
1,5	1,88

2N (T. 609) • 50%



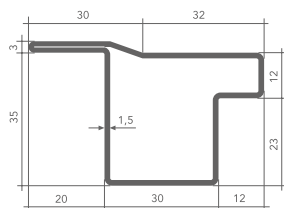
Thickness (mm)	kg/m
1,5	2,30

3N (T. 672) • 50%



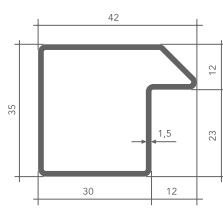
Thickness (mm)	kg/m
1,5	2,25

2T (T. 606) • 50%



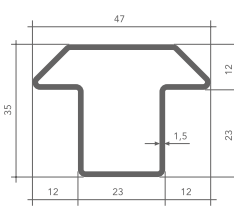
Thickness (mm)	kg/m
1,5	2,30

3A (T. 637) • 50%



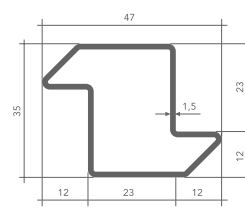
Thickness (mm)	kg/m
1,5	1,70

3B (T. 670) • 50%



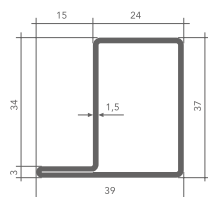
Thickness (mm)	kg/m
1,5	1,77

3Z (T. 669) • 50%



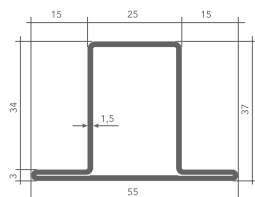
Thickness (mm)	kg/m
1,5	1,77

SA (T. 1816) • 50%



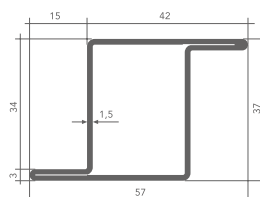
Thickness (mm)	kg/m
1,5	1,72

ST (T. 1817) • 50%



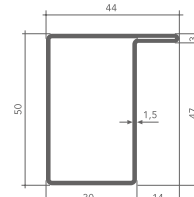
Thickness (mm)	kg/m
1,5	2,16

SZ (T. 1818) • 50%



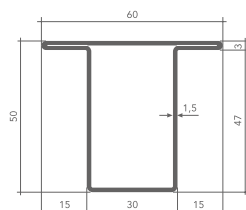
Thickness (mm)	kg/m
1,5	2,76

SF 1/B (T. 1317) • 40%



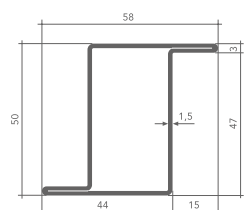
Thickness (mm)	kg/m
1,5	2,15

SF 2/B (T. 1318) • 40%



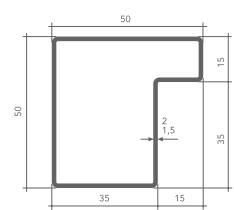
Thickness (mm)	kg/m
1,5	2,52

SF 3/B (T. 1319) • 40%



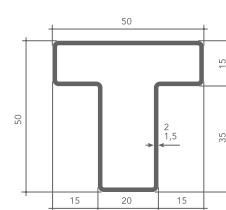
Thickness (mm)	kg/m
1,5	2,52

16A (T. 618) • 40%



Thickness (mm)	kg/m
1,5	2,33

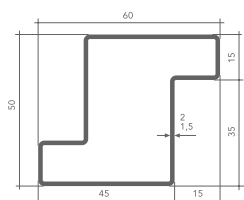
16B (T. 614) • 40%



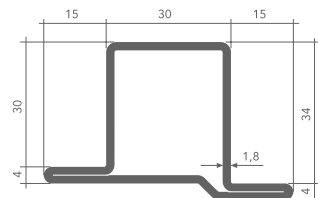
Thickness (mm)	kg/m
1,5	2,33

Special shapes for window and door frame EN 10305-3 S1, S2, S4

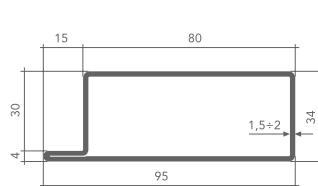
Tubi sagome speciali per serramenti EN 10305-3 S1, S2, S4

16Z (T. 616) • 40%

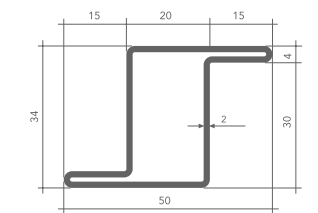
Thickness (mm)	kg/m
1,5	2,56
2	3,39

BSP4 (PN) • 55%

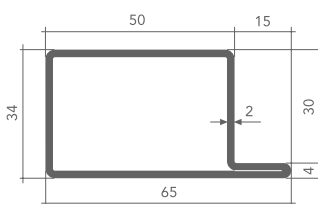
Thickness (mm)	kg/m
1,8	2,72

S41 (T. 1308) • 35%

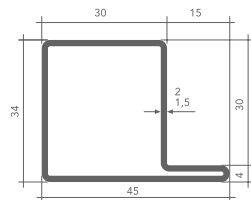
Thickness (mm)	kg/m
1,5	3,02
2	3,94

BST4-S701-S45 (T. 1786) • 55%

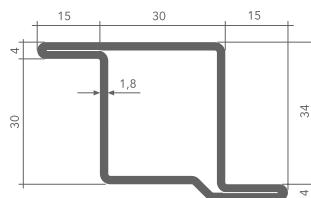
Thickness (mm)	kg/m
2	2,56

BST6-S25 (T. 1377) • 50%

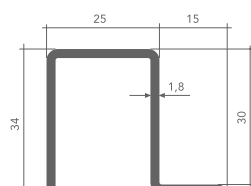
Thickness (mm)	kg/m
2	3,01

BSP1-S715-S44 (T. 1295) • 55%

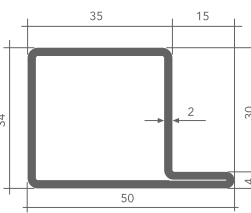
Thickness (mm)	kg/m
1,5	1,70
2	2,37

BSP5 (PN) • 55%

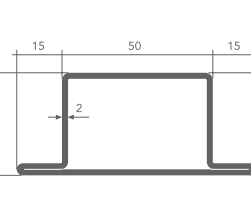
Thickness (mm)	kg/m
1,8	2,72

BST1 (T. 2149) • 60%

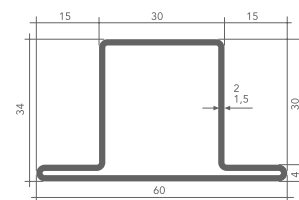
Thickness (mm)	kg/m
1,8	2,06

BST5 (T. 1324) • 55%

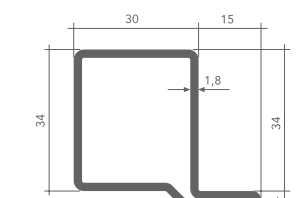
Thickness (mm)	kg/m
2	2,56

BST6A-S24-RP103 (PN) • 40%

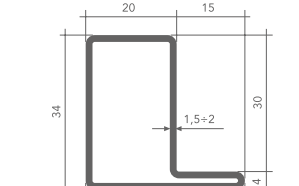
Thickness (mm)	kg/m
2	3,2

BSP2-S714-S43 (T. 1296) • 55%

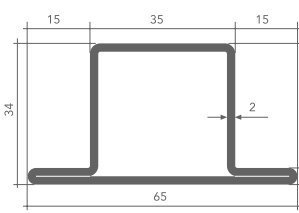
Thickness (mm)	kg/m
1,5	2,16
2	2,86

BSP6 (PN) • 55%

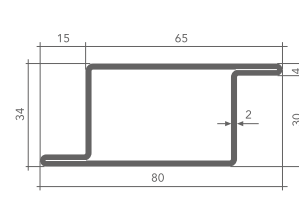
Thickness (mm)	kg/m
1,8	2,28

BST2-S703-S222-S47 (T. 1499) • 60%

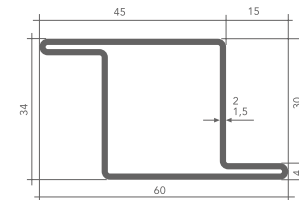
Thickness (mm)	kg/m
1,5	1,61
2	2,12

BST7 (T. 1612) • 55%

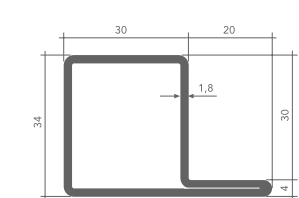
Thickness (mm)	kg/m
2	3,04

BST6B-S23 (T. 1378) • 40%

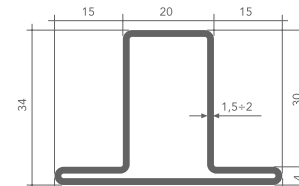
Thickness (mm)	kg/m
2	3,45

BSP3-S713-S42 (T. 1297) • 55%

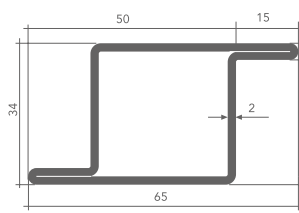
Thickness (mm)	kg/m
1,5	2,16
2	2,86

BSP7 (PN) • 55%

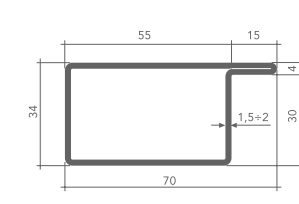
Thickness (mm)	kg/m
1,8	2,53

BST3-S703-S221-S46 (T. 1323) • 60%

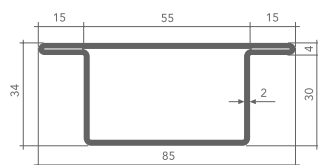
Thickness (mm)	kg/m
1,5	1,94
2	2,56

BST8 (T. 1613) • 55%

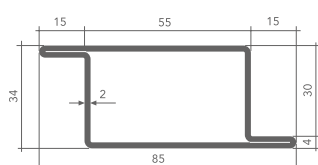
Thickness (mm)	kg/m
2	3,04

BSV1-S28-RP104 (T. 1387) • 40%

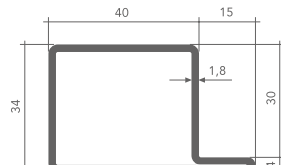
Thickness (mm)	kg/m
1,5	2,15
2	2,86

BSV2-S27-RP150 (T. 1386) • 40%


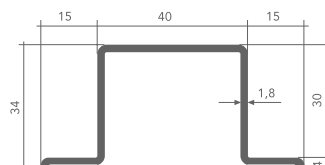
Thickness (mm)	kg/m
2	3,65

BSV3-S26-RP1190 (T. 1388) • 40%


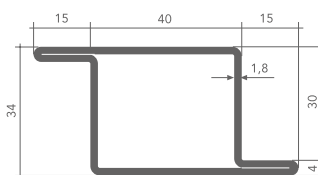
Thickness (mm)	kg/m
2	3,65

BSV4 (PN) • 50%


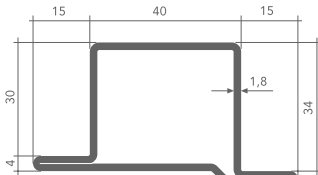
Thickness (mm)	kg/m
1,8	2,47

BSV5-RP1050 (PN) • 50%


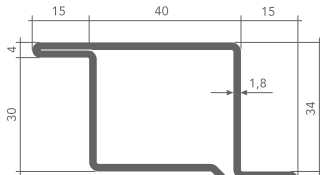
Thickness (mm)	kg/m
1,8	2,91

BSV6 (PN) • 50%


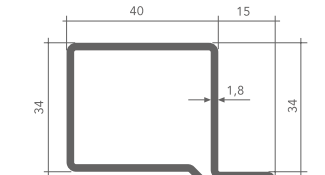
Thickness (mm)	kg/m
1,8	2,91

BSV7 (PN) • 50%


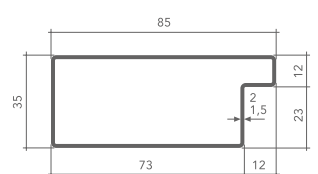
Thickness (mm)	kg/m
1,8	3,03

BSV8 (PN) • 50%


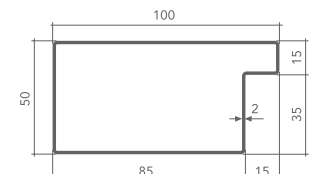
Thickness (mm)	kg/m
1,8	3,03

BSV9 (PN) • 50%


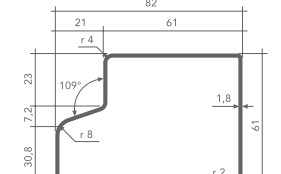
Thickness (mm)	kg/m
1,8	2,55

2D (T. 1528) • 35%


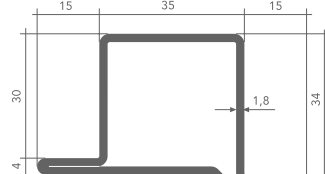
Thickness (mm)	kg/m
1,5	2,78
2	3,66

16D (T. 1527) • 30%


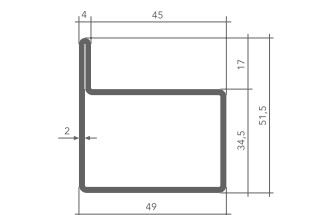
Thickness (mm)	kg/m
2	4,65

T. 1965 • 30%


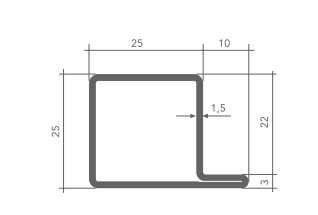
Thickness (mm)	kg/m
1,8	3,87

BST9-RP140 (PN) • 55%


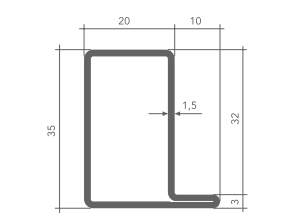
Thickness (mm)	kg/m
1,8	2,88

T. 1372 • 40%


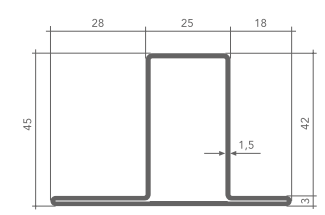
Thickness (mm)	kg/m
2	3,06

D4 (PN) • 60%


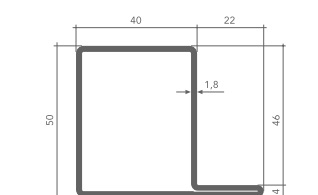
Thickness (mm)	kg/m
1,5	1,39

BSD5 (PN) • 60%


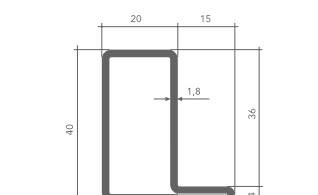
Thickness (mm)	kg/m
1,5	1,52

LS15D (PN) • 45%


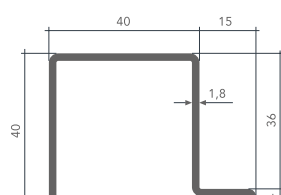
Thickness (mm)	kg/m
1,5	2,68

E8-RP1072 (PN) • 40%


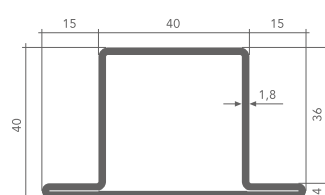
Thickness (mm)	kg/m
1,8	3,13

E1-RP1114 (PN) • 50%


Thickness (mm)	kg/m
1,8	1,52

E4-RP1008 (PN) • 50%


Thickness (mm)	kg/m
1,8	2,65

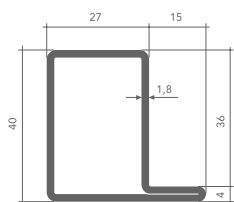
E5-RP152 (PN) • 50%


Thickness (mm)	kg/m
1,8	3,07

Special shapes for window and door frame EN 10305-3 S1, S2, S4

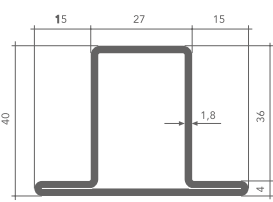
Tubi sagome speciali per serramenti EN 10305-3 S1, S2, S4

BSL1 (T. 2173) • 50%



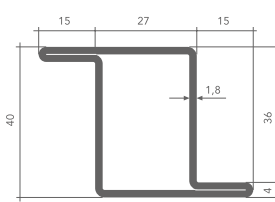
Thickness (mm)	kg/m
1,8	2,27

BSL2 (PN) • 50%



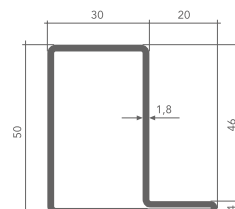
Thickness (mm)	kg/m
1,8	2,7

BSL3 (PN) • 50%



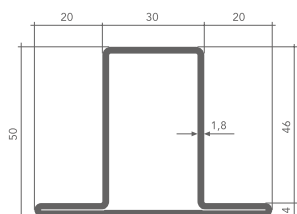
Thickness (mm)	kg/m
1,8	2,7

BSM1 (PN) • 45%



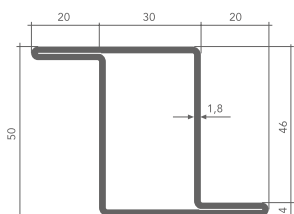
Thickness (mm)	kg/m
1,8	2,8

BSM2 (PN) • 45%



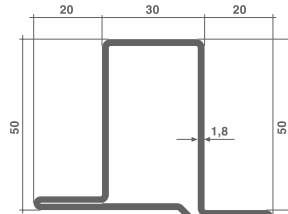
Thickness (mm)	kg/m
1,8	3,36

BSM3 (T. 2107) • 45%



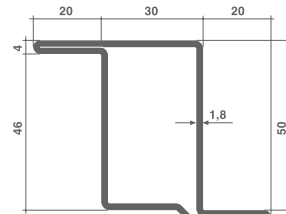
Thickness (mm)	kg/m
1,8	3,36

BSM4 (PN) • 45%



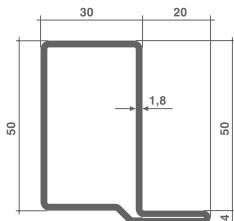
Thickness (mm)	kg/m
1,8	3,41

BSM5 (PN) • 45%



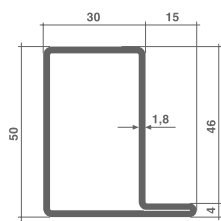
Thickness (mm)	kg/m
1,8	3,44

BSM6 (PN) • 45%



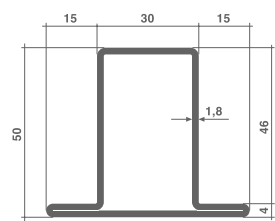
Thickness (mm)	kg/m
1,8	2,91

BSM1bis (PN) • 45%



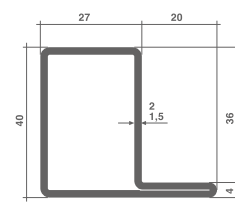
Thickness (mm)	kg/m
1,8	2,7

BSM2bis (PN) • 45%



Thickness (mm)	kg/m
1,8	3,1

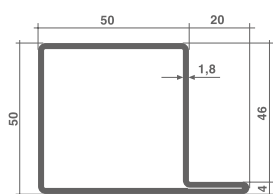
BSL4 (T. 1596) • 50%



Thickness (mm)	kg/m
1,5	2,05

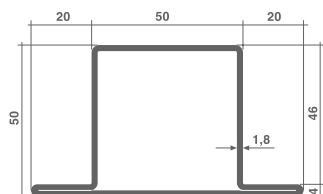
Thickness (mm)	kg/m
2	2,70

SN1 (PN) • 50%



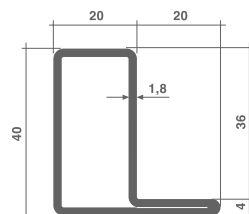
Thickness (mm)	kg/m
1,8	3,37

SN2 (PN) • 50%



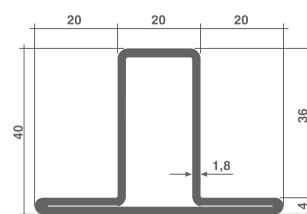
Thickness (mm)	kg/m
1,8	3,95

SH1 (PN) • 55%



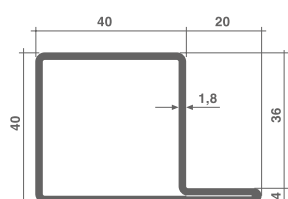
Thickness (mm)	kg/m
1,8	2,22

SH2 (PN) • 55%



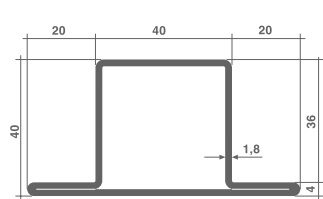
Thickness (mm)	kg/m
1,8	2,8

SI1-RP1683 (PN) • 50%



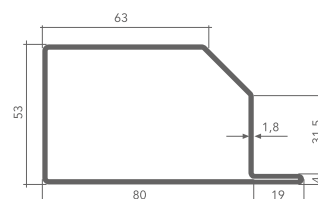
Thickness (mm)	kg/m
1,8	2,8

SI2 (PN) • 45%



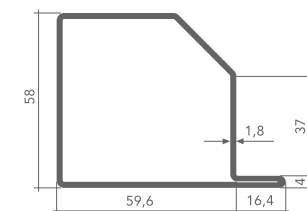
Thickness (mm)	kg/m
1,8	3,37

ML1 (PN) • 35%



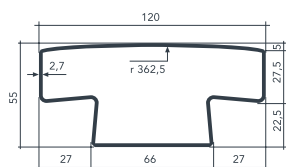
Thickness (mm)	kg/m
1,8	4,23

ML2 (PN) • 40%



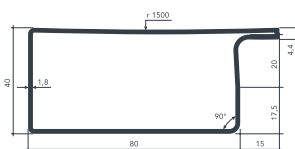
Thickness (mm)	kg/m
1,8	3,69

S8 (T. 2090) • 25%



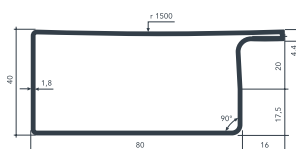
Thickness (mm)	kg/m
2,7	7,12

TU15 (PN) • 35%



Thickness (mm)	kg/m
1,8	3,89

TU16 (PN) • 35%



Thickness (mm)	kg/m
1,8	3,92

SPECIAL SHAPES
ARE ENGINEERED
ACCORDING TO
CUSTOMER
SPECIFICATIONS

SAGOME SPECIALI
SONO STUDIATE E
FORNITE
IN ACCORDO
CON IL CLIENTE



Standard and custom profiles
meet the specific requirements
of window and door frame construction.

*Sagome standard e speciali sono dedicate
alle esigenze specifiche del settore produttivo
dei serramenti.*

Special shapes EN 10305-3 S1, S2, S4

Tubi sagome speciali EN 10305-3 S1, S2, S4

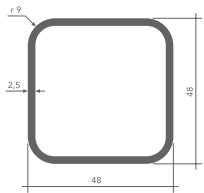
- Enlargement or reduction percentage of the drawings
Percentuale di ingrandimento o di riduzione dei disegni

SPECIAL SHAPES
ARE ENGINEERED
ACCORDING TO
CUSTOMER
SPECIFICATIONS

ULTERIORI SAGOME
SPECIALI SONO
STUDIATE E FORNITE
IN ACCORDO CON IL
CLIENTE

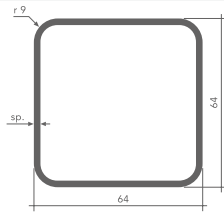


T. 1667 • 40%



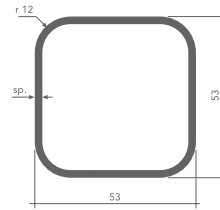
Thickness (mm)	kg/m
2,5	3,39

T. 1759 • 35%



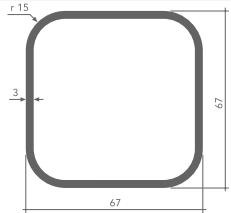
Thickness (mm)	kg/m
2	3,7
2,35	4,33
2,5	4,61
2,7	5,05
3	5,51

T. 1657 • 40%



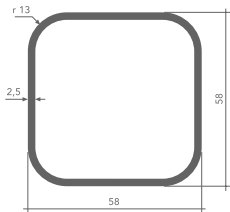
Thickness (mm)	kg/m
2,35	2,46
2,5	3,69
2,75	4,03

T. 1839 • 35%



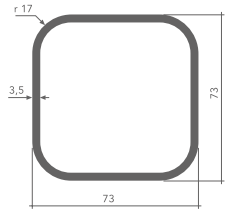
Thickness (mm)	kg/m
3	5,58

T. 1595 • 40%



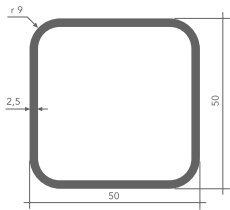
Thickness (mm)	kg/m
2,5	4,04

T. 1938 • 30%



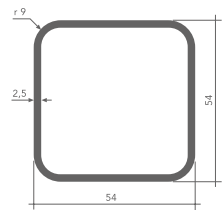
Thickness (mm)	kg/m
3,5	7,06

T. 1946 • 45%



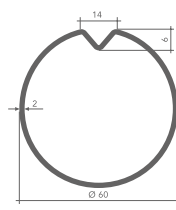
Thickness (mm)	kg/m
2,5	3,69

T. 1956 • 40%



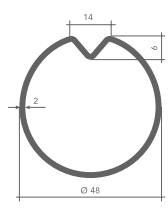
Thickness (mm)	kg/m
2,5	3,79

T. 1768 • 35%



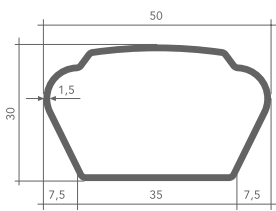
Thickness (mm)	kg/m
2	3,01

T. 1823 • 40%



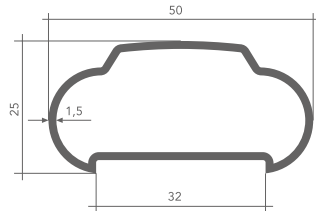
Thickness (mm)	kg/m
2	2,37

MT5 Handrail (T. 1312) • 60%



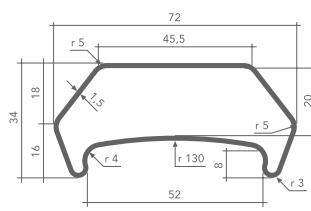
Thickness (mm)	kg/m
1,5	1,65

MT9 Handrail (T. 1313) • 60%



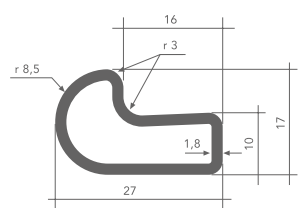
Thickness (mm)	kg/m
1,5	1,60

T. 1616 • 45%

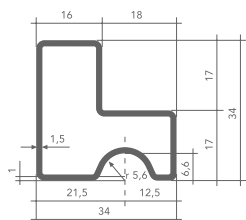


Thickness (mm)	kg/m
1,5	2,276

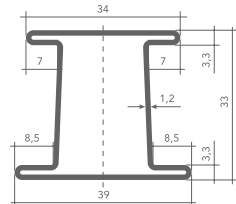
TR2 (T. 1974) • 80%



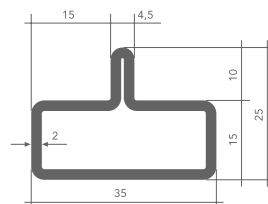
Thickness (mm)	kg/m
1,8	1,03

T. 735 • 55%


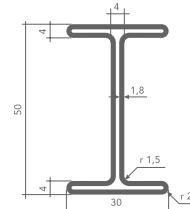
Thickness (mm)	kg/m
1,5	1,61

T. 1254 • 60%


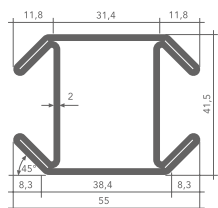
Thickness (mm)	kg/m
1,2	1,58

T. 1303 • 70%


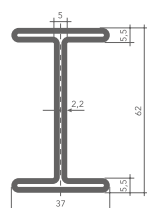
Thickness (mm)	kg/m
2	1,78

T. 1426 • 45%


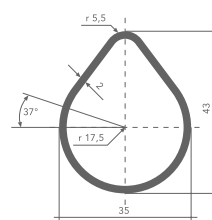
Thickness (mm)	kg/m
1,8	2,8

T. 1025 • 45%


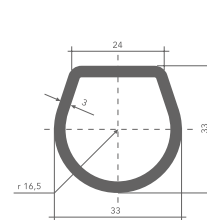
Thickness (mm)	kg/m
2	3,65

T. 1071 • 35%


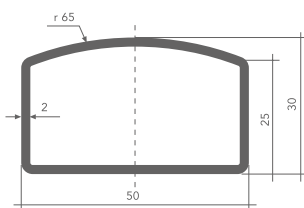
Thickness (mm)	kg/m
2,2	4,3

T. 700 • 50%


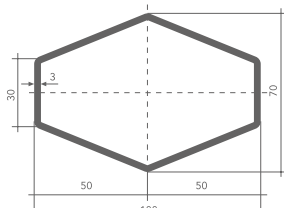
Thickness (mm)	kg/m
2	1,78

T. 792 • 50%


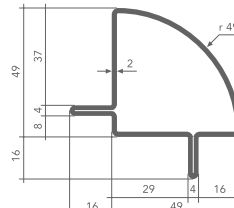
Thickness (mm)	kg/m
3	2,37

T. 1201 • 60%


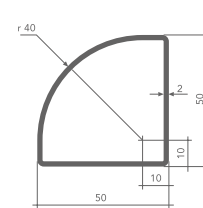
Thickness (mm)	kg/m
2	2,27

T. 942 • 30%


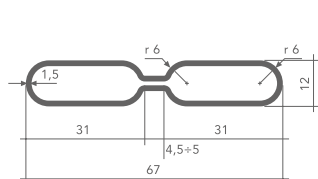
Thickness (mm)	kg/m
3	6,36

T. 1121 • 35%


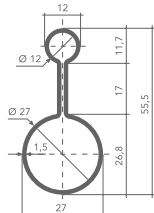
Thickness (mm)	kg/m
2	3,65

T. 1078 • 35%


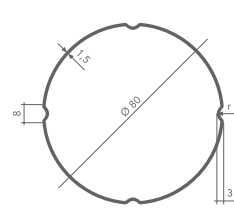
Thickness (mm)	kg/m
2	2,76

T.537 • 50%


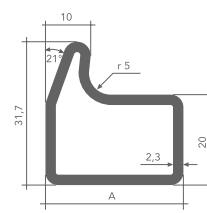
Thickness (mm)	kg/m
1,5	1,79

T. 701 • 40%


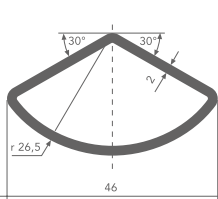
Thickness (mm)	kg/m
1,5	1,72

T. 1801 • 30%


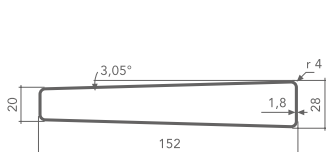
Thickness (mm)	kg/m
1,5	2,9

T. 1191 - T. 994 • 60%


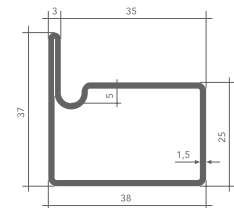
A	kg/m
25	1,87

T. 1310 • 60%


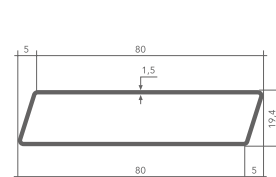
Thickness (mm)	kg/m
2	1,63

T. 1697 • 23%


Thickness (mm)	kg/m
1,8	5

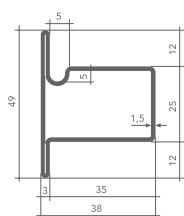
T. 574 • 55%


Thickness (mm)	kg/m
1,5	1,87

T. 1113 • 40%


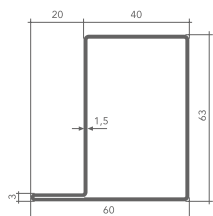
Thickness (mm)	kg/m
1,5	2,27

T. 1164 • 40%



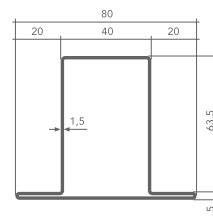
Thickness (mm)	kg/m
1,5	2,16

T. 776 • 35%



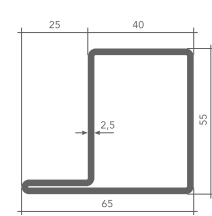
Thickness (mm)	kg/m
1,5	2,75

T. 774 • 30%



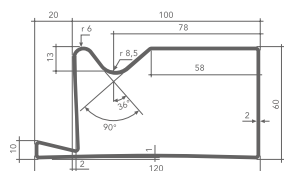
Thickness (mm)	kg/m
1,5	3,23

T. 770 • 35%



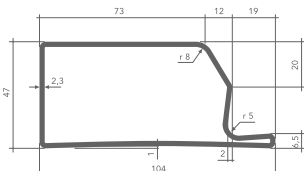
Thickness (mm)	kg/m
2,5	4,53

T. 1746 • 25%



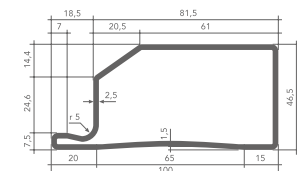
Thickness (mm)	kg/m
2	5,87

T. 1755 • 30%



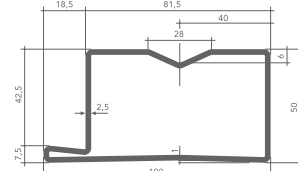
Thickness (mm)	kg/m
2,3	5,2

T. 1787 • 30%



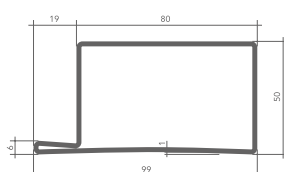
Thickness (mm)	kg/m
2,5	5,7

T. 902 • 30%



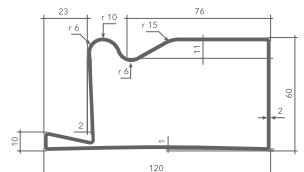
Thickness (mm)	kg/m
2,5	5,7

T. 1074 • 30%



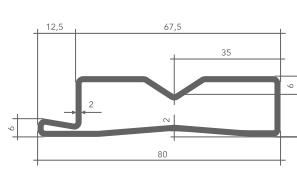
Thickness (mm)	kg/m
1	5,11

T. 1376 • 25%



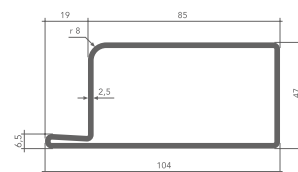
Thickness (mm)	kg/m
2	5,87

T. 1088 • 40%



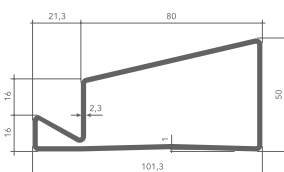
Thickness (mm)	kg/m
2	3,1

T. 845 • 30%



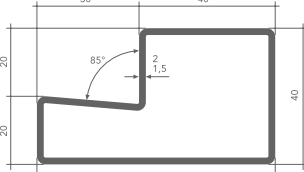
Thickness (mm)	kg/m
2,5	5,7

T. 1092 • 30%



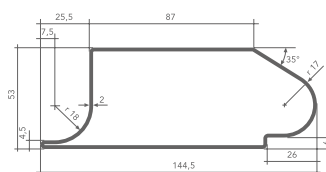
Thickness (mm)	kg/m
2,3	5,35

T. 660 BFTM - 5M • 45%



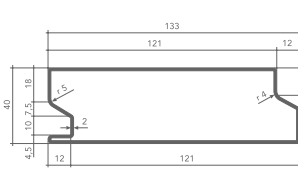
Thickness (mm)	kg/m
1,5	2,53
2	3,35

T. 1110 • 25%



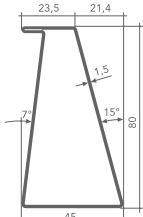
Thickness (mm)	kg/m
2	5,52

T. 1779 • 25%



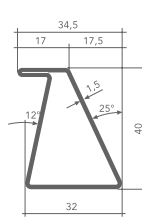
Thickness (mm)	kg/m
1,5	4,2

T. 1081 • 30%



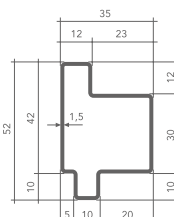
Thickness (mm)	kg/m
1,5	2,75

T. 724 • 40%



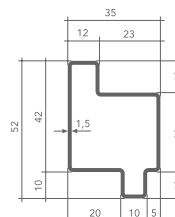
Thickness (mm)	kg/m
1,5	1,61

T. 1356 • 35%



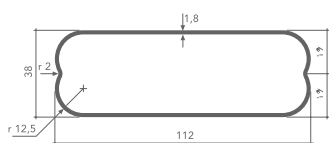
Thickness (mm)	kg/m
1,5	1,99

T. 1355 • 35%



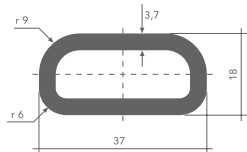
Thickness (mm)	kg/m
1,5	1,99

T. 1533 • 30%



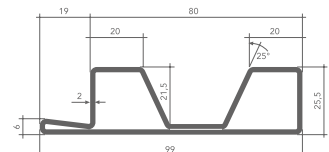
Thickness (mm)	kg/m
1,8	3,87

T. 1855 • 60%



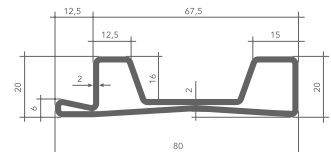
Thickness (mm)	kg/m
3,7	1,382

T. 1268 • 35%



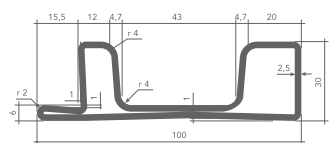
Thickness (mm)	kg/m
2	4,29

T. 1292 • 40%



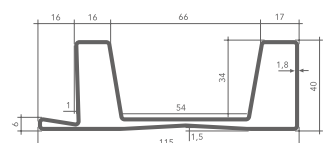
Thickness (mm)	kg/m
2	3,35

T. 1437 • 35%



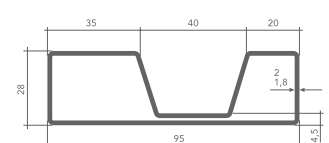
Thickness (mm)	kg/m
2,5	5,70

T. 1316 • 30%



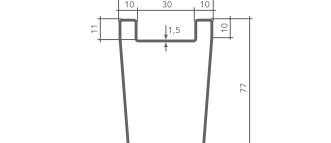
Thickness (mm)	kg/m
1,8	4,14

T. 1719 • 35%



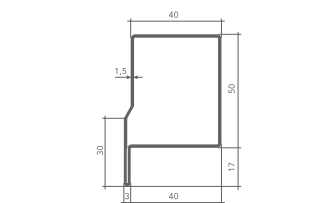
Thickness (mm)	kg/m
2	4,29

T. 1525 • 25%



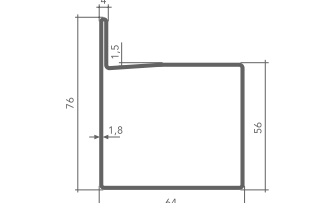
Thickness (mm)	kg/m
1,5	3,16

T. 1393 • 30%



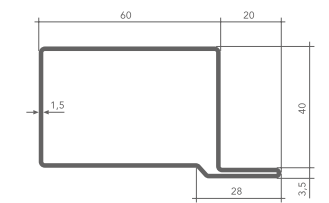
Thickness (mm)	kg/m
1,5	2,53

T. 1398 • 30%



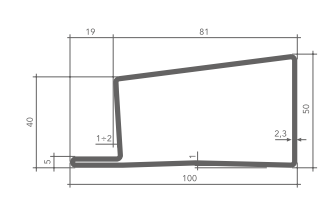
Thickness (mm)	kg/m
1,8	3,78

T. 1709 • 40%



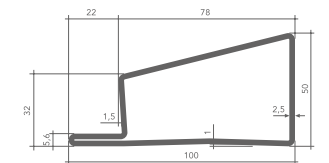
Thickness (mm)	kg/m
1,5	2,9

T. 1433 • 30%



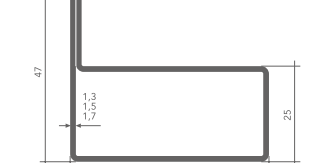
Thickness (mm)	kg/m
2,3	5,57

T. 1092/B • 30%



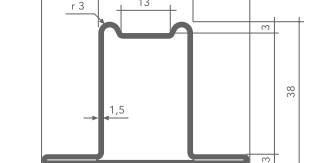
Thickness (mm)	kg/m
2,5	5,39

T. 1448 • 50%



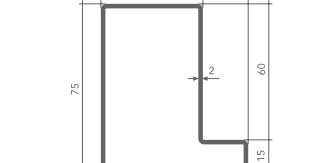
Thickness (mm)	kg/m
1,3	1,98

T. 1471 • 50%



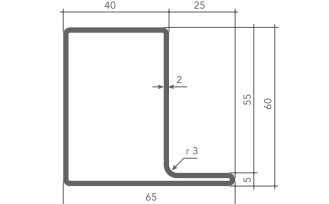
Thickness (mm)	kg/m
1,5	2,13

T. 1514 • 30%



Thickness (mm)	kg/m
2	4,29

T. 1581 • 35%



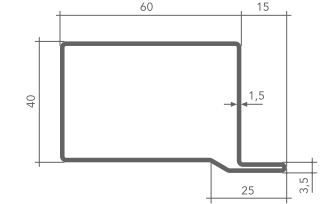
Thickness (mm)	kg/m
2	3,849

T. 1680 • 35%



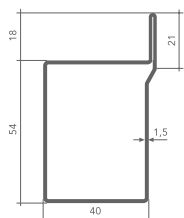
Thickness (mm)	kg/m
1,5	3,784

T. 1663 • 40%



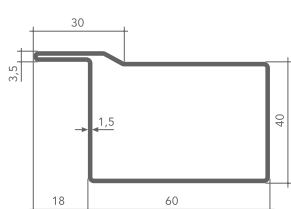
Thickness (mm)	kg/m
1,5	2,757

T. 1582 • 35%



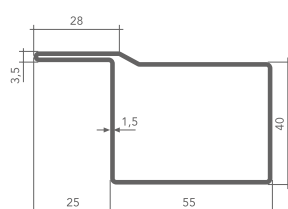
Thickness (mm)	kg/m
1,5	2,64

T. 1636 • 40%



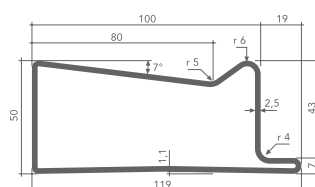
Thickness (mm)	kg/m
1,5	2,757

T. 1687 • 40%



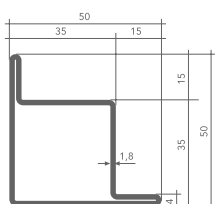
Thickness (mm)	kg/m
1,5	2,757

T. 1693 • 30%



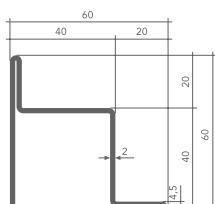
Thickness (mm)	kg/m
2,5	6,508

T. 742 • 45%



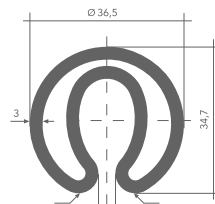
Thickness (mm)	kg/m
1,8	2,270

T. 420 • 35%



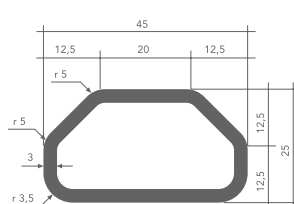
Thickness (mm)	kg/m
2	3,65

T. 1912 • 55%



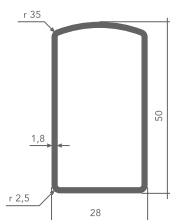
Thickness (mm)	kg/m
3	3,812

T. 1891 • 60%



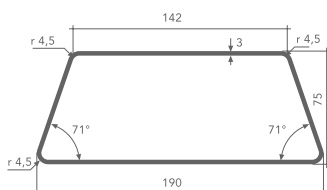
Thickness (mm)	kg/m
3	1,875

T. 1876 • 45%



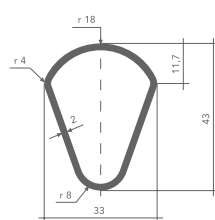
Thickness (mm)	kg/m
1,8	2,270

T. 1845 • 20%



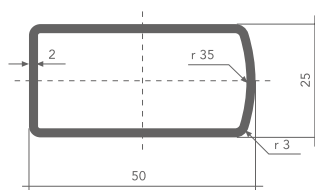
Thickness (mm)	kg/m
3	11,550

T.1939 • 45%



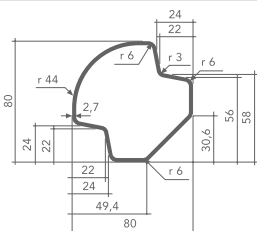
Thickness (mm)	kg/m
2	1,78

T. 2003 • 60%



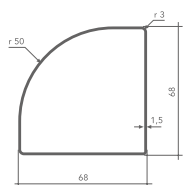
Thickness (mm)	kg/m
2	2,17

T. 1931 • 20%



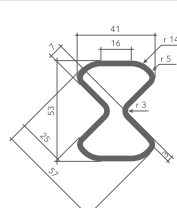
Thickness (mm)	kg/m
2,7	5,63

T. 1934 • 25%



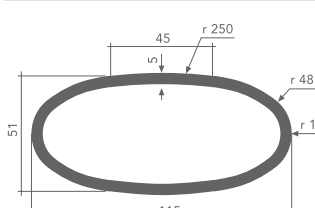
Thickness (mm)	kg/m
1,5	2,91

T. 2051 • 25%



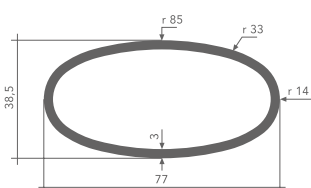
Thickness (mm)	kg/m
3	4,24

T. 2036 • 30%



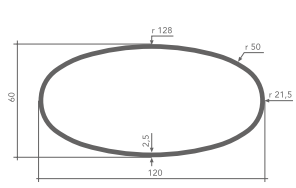
Thickness (mm)	kg/m
5	10,36

T. 1999 • 40%



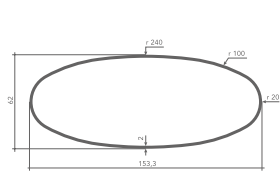
Thickness (mm)	kg/m
3	4,24

T. 1980 • 25%



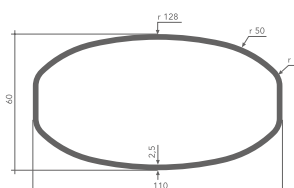
Thickness (mm)	kg/m
2,5	5,7

T. 2052 • 20%



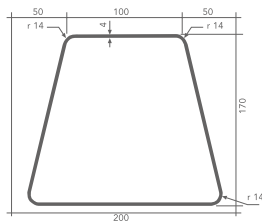
Thickness (mm)	kg/m
2	5,54

T. 2056 • 30%



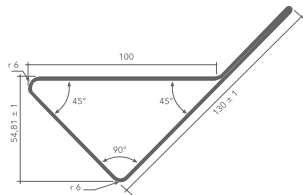
Thickness (mm)	kg/m
2,5	5,49

T. 2082 • 15%



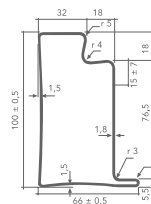
Thickness (mm)	kg/m
4	18,72

T. 2091 • 25%



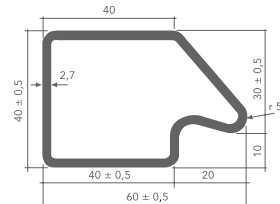
Thickness (mm)	kg/m
2	5,54

T.2096 • 20%

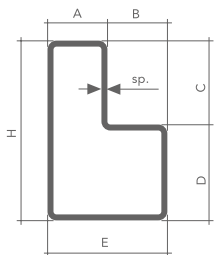


Thickness (mm)	kg/m
1,8	4,71

T. 2100 • 45%



Thickness (mm)	kg/m
2,7	3,95

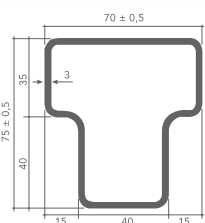


SPECIAL TUBE SECTIONS

Tubi sagome speciali

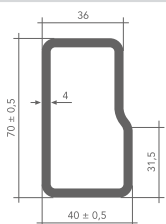
drawing	dimensions mm						thickness	weight	static data		
	H	A	B	C	D	E	mm	kg/m	W x (cm³)	I x (cm⁴)	Ø
1793	30	18	12	12	18	30	1,50	1,35	1,32	1,80	38
610	42	12	23	12	30	35	1,50	1,76	2,25	4,24	50
1827	42	20	15	25	17	35	1,50	1,76	2,45	4,52	50
2085	50	18	22	30	20	40	1,50	2,05	3,31	7,03	57
1951	50	20	20	25	25	40	1,50	2,05	3,36	7,37	57
1262	60	20	20	25	35	40	1,50	2,19	4,27	11,66	63
1262	60	20	20	25	35	40	2,00	3,01	5,55	15,13	63
1369	60	18	22	30	30	40	1,50	2,19	4,23	11,21	63
1369	60	18	22	30	30	40	2,00	3,01	5,49	14,55	63
1559	60	32	18	31	29	50	2,00	3,35	6,84	18,79	70
1826	69	17	33	14	55	50	1,50	2,76	5,92	20,59	76
1118	70	20	20	25	45	40	2,00	3,35	6,98	22,66	70
660•B	70	20	20	30	40	40	2,00	3,35	6,97	22,33	70
1432	80	18	22	30	50	40	2,00	3,46	8,41	31,11	76
1560	80	32	18	31	49	50	2,00	3,99	10,21	38,43	83
1306	90	20	20	40	50	40	2,00	3,99	10,21	42,60	83
1320	100	18	22	30	70	40	2,00	4,08	11,97	56,69	89
1093	100	20	20	25	75	40	2,00	4,08	12,19	58,40	89
1304	110	20	20	40	70	40	2,00	4,59	13,98	72,85	95
1561	110	32	18	31	79	50	2,00	4,93	16,39	86,87	102
1370	120	18	22	30	90	40	2,00	4,71	16,13	92,90	102
1305	130	20	20	40	90	40	2,00	5,29	18,36	114,53	108
1877	70	20	20	20	50	40	2,00	3,35	6,99	22,99	70
1917	80	20	20	25	55	40	2,00	3,46	8,86	33,22	76

T. 2101 • 30%



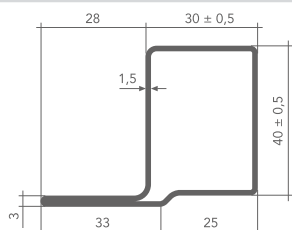
Thickness (mm)	kg/m
3	6,81

T. 2111 • 30%



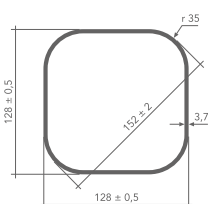
Thickness (mm)	kg/m
4	6,51

T. 2121 • 50%



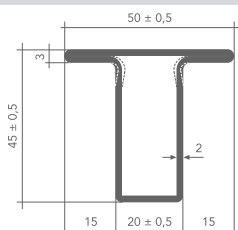
Thickness (mm)	kg/m
1,5	2,28

T. 2152 • 15%



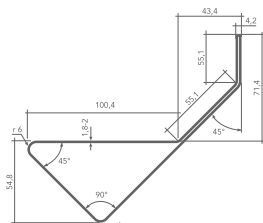
Thickness (mm)	kg/m
3,7	13,17

T. 2169 • 45%



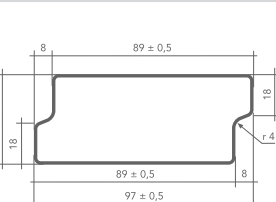
Thickness (mm)	kg/m
2	2,86

T. 2110 • 20%



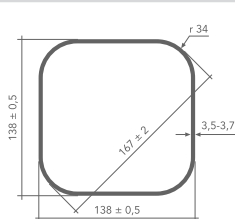
Thickness (mm)	kg/m
1,8	6,12

T. 2120 • 30%



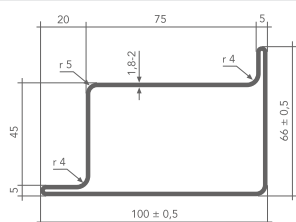
Thickness (mm)	kg/m
1,5	3,16

T. 2151 • 20%



Thickness (mm)	kg/m
3,5	13,42

T. 2166 • 100%



Thickness (mm)	kg/m
1,8	4,71

T. 2166 • 100%

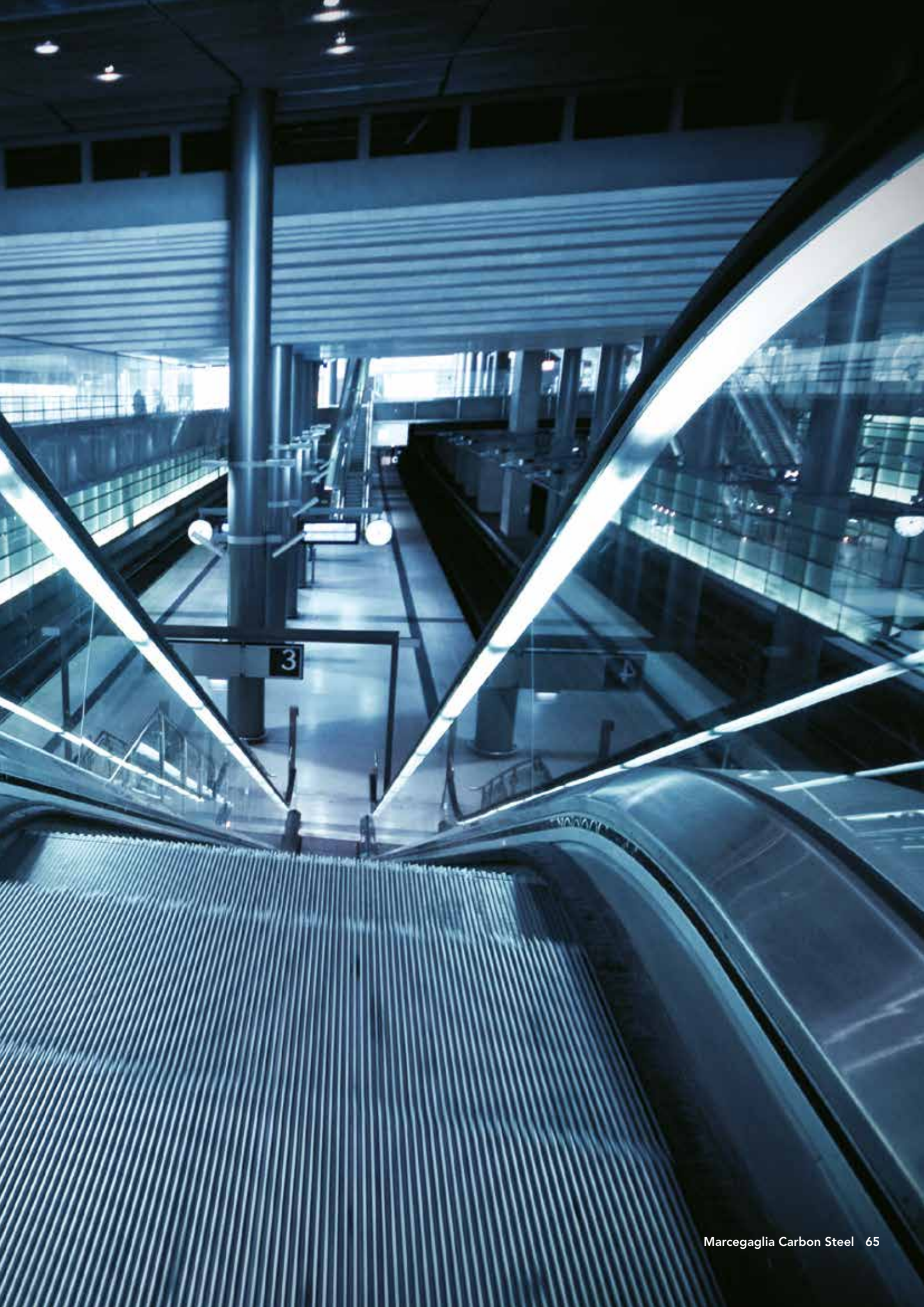


Thickness (mm)	kg/m
2	5,23

Special shapes EN 10305-3 S1, S2, S4

Tubi sagome speciali EN 10305-3 S1, S2, S4





Special shapes EN 10305-3 S3, S4

Tubi sagome speciali EN 10305-3 S3, S4

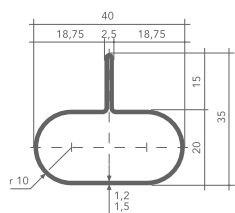
- **Enlargement or reduction percentage of the drawings**
Percentuale di ingrandimento o di riduzione dei disegni

SPECIAL SHAPES
ARE ENGINEERED
ACCORDING TO
CUSTOMER
SPECIFICATIONS

ULTERIORI SAGOME
SPECIALI SONO
STUDIATE E FORNITE
IN ACCORDO CON IL
CLIENTE

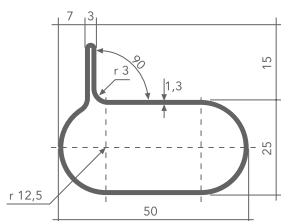


T. 787 • 50%



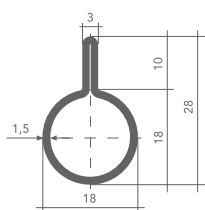
Thickness (mm)	kg/m
1,2	1,2
1,5	1,49

T. 1852 • 50%



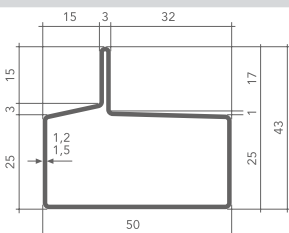
Thickness (mm)	kg/m
1,3	1,47

BTL (T. 1346) • 70%



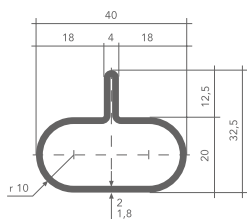
Thickness (mm)	kg/m
1,5	0,81

3M (T. 723) • 50%



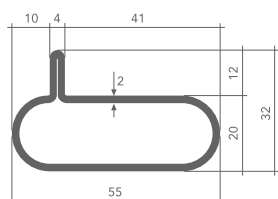
Thickness (mm)	kg/m
1,2	1,67
1,5	2,05

T.536 • 50%



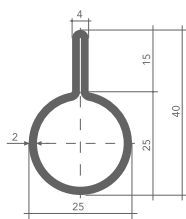
Thickness (mm)	kg/m
1,8	1,70
2	1,87

T. 1798 • 50%



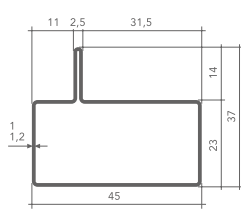
Thickness (mm)	kg/m
2	2,37

T. 1192 • 55%



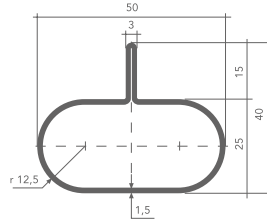
Thickness (mm)	kg/m
2	1,63

4M (T. 751) • 50%



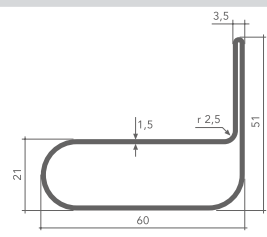
Thickness (mm)	kg/m
1	1,2
1,2	1,44

T. 1157 • 50%



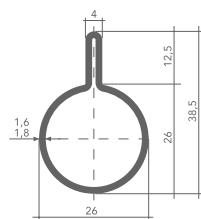
Thickness (mm)	kg/m
1,5	1,79

T. 1396 • 45%



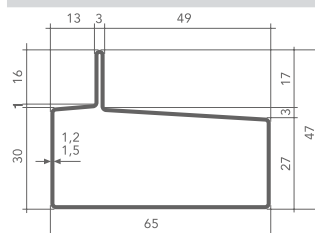
Thickness (mm)	kg/m
1,5	2,35

T. 1094 • 55%



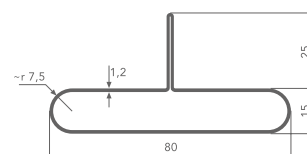
Thickness (mm)	kg/m
1,6	1,43
1,8	1,6

6M (T. 990) • 45%



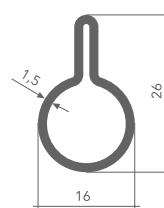
Thickness (mm)	kg/m
1,2	2,05
1,5	2,53

T. 1072 • 40%



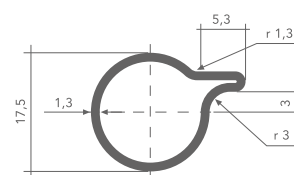
Thickness (mm)	kg/m
1,2	2,04

T. 1639 • 80%



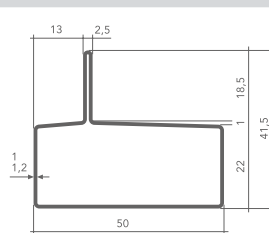
Thickness (mm)	kg/m
1,5	0,795

T. 1127 • 90%



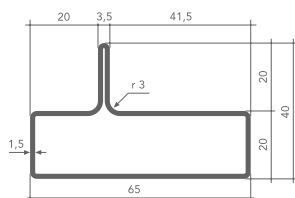
Thickness (mm)	kg/m
1,3	0,64

7M (T. 1004) • 50%



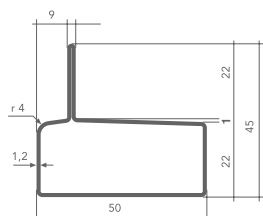
Thickness (mm)	kg/m
1	1,39
1,2	1,67

T. 1380 • 45%



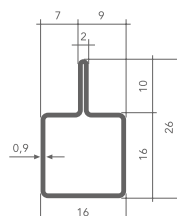
Thickness (mm)	kg/m
1,5	2,35

T. 1990 • 45%



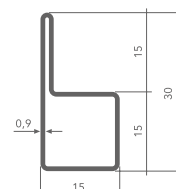
Thickness (mm)	kg/m
1,2	1,74

T. 1914 • 70%



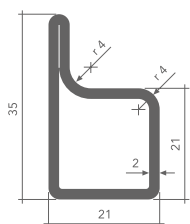
Thickness (mm)	kg/m
0,9	0,557

T. 1508 • 70%



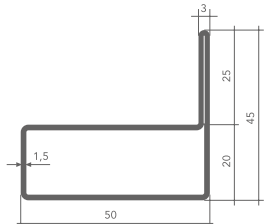
Thickness (mm)	kg/m
0,9	0,624

T. 1641 • 70%



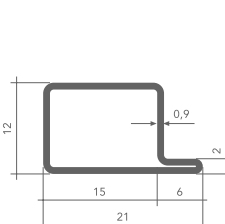
Thickness (mm)	kg/m
2	1,63

T. 1163 • 50%



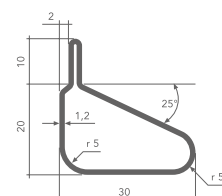
Thickness (mm)	kg/m
1,5	2,16

T.1147 • 100%



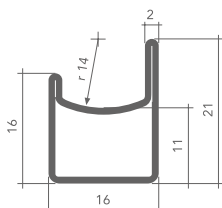
Thickness (mm)	kg/m
0,9	0,44

T. 1214 • 60%



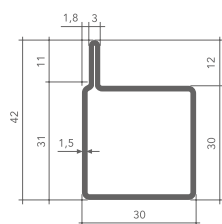
Thickness (mm)	kg/m
1,2	0,94

T. 1642 • 90%



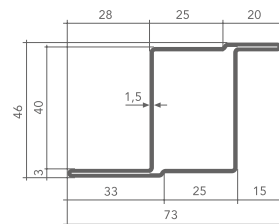
Thickness (mm)	kg/m
1	0,592

T. 1302 • 50%



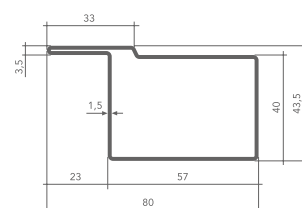
Thickness (mm)	kg/m
1,5	1,61

T. 1846 • 40%



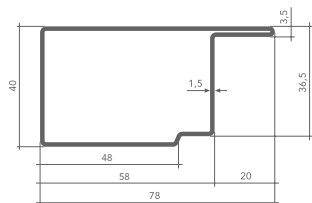
Thickness (mm)	kg/m
1,5	2,75

T. 1866 • 35%



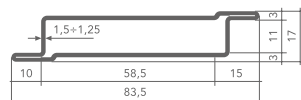
Thickness (mm)	kg/m
1,5	2,75

T. 1920 • 40%



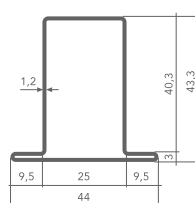
Thickness (mm)	kg/m
1,5	2,758

T. 1371 • 40%



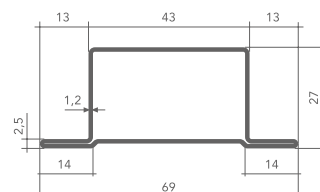
Thickness (mm)	kg/m
1,25	1,85

T. 1575 • 45%



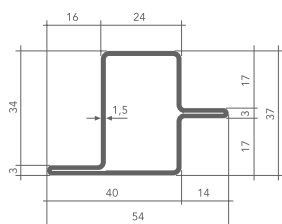
Thickness (mm)	kg/m
1,2	1,593

T. 746 • 50%



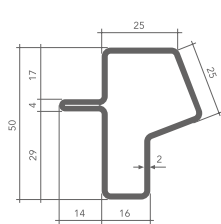
Thickness (mm)	kg/m
1,2	1,74

T. 1659 • 45%



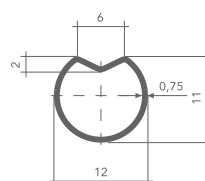
Thickness (mm)	kg/m
1,5	1,98

T. 1660 • 40%



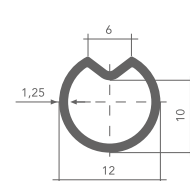
Thickness (mm)	kg/m
2	2,61

T. 1742 • 100%



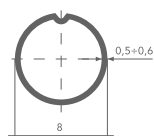
Thickness (mm)	kg/m
0,75	0,21

T. 1529 • 100%



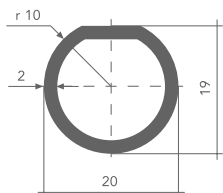
Thickness (mm)	kg/m
1,25	0,393

T. 1138 • 150%



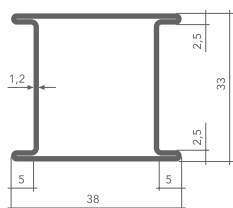
Thickness (mm)	kg/m
0,5	0,92
0,6	0,11

T. 1294 • 90%



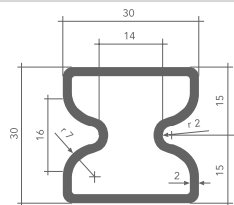
Thickness (mm)	kg/m
2	0,89

T. 1288 • 60%



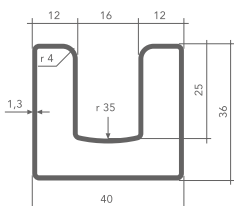
Thickness (mm)	kg/m
1,2	1,38

T. 1649 • 60%



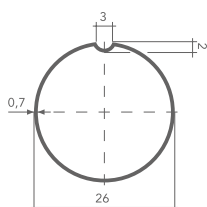
Thickness (mm)	kg/m
2	1,97

T. 1384 • 50%



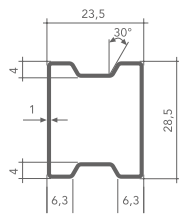
Thickness (mm)	kg/m
1,3	1,97

T. 1239 • 70%



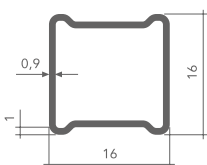
Thickness (mm)	kg/m
0,7	0,43

T. 1276 • 55%



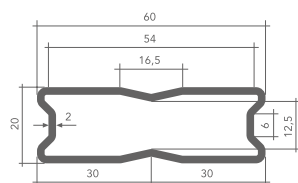
Thickness (mm)	kg/m
1	0,86

T. 1907 • 100%



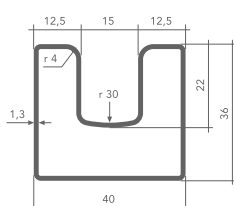
Thickness (mm)	kg/m
0,9	0,424

T. 1647 • 50%



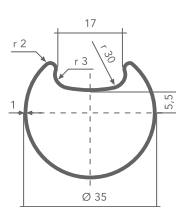
Thickness (mm)	kg/m
2	2,61

T. 1718 • 50%



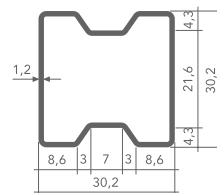
Thickness (mm)	kg/m
1,3	1,95

T. 1995 • 50%



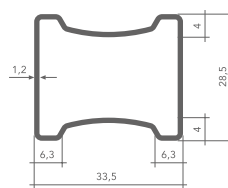
Thickness (mm)	kg/m
1	0,898

T. 1443 • 60%



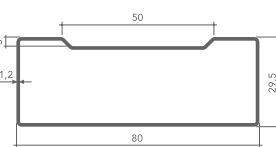
Thickness (mm)	kg/m
1,2	0,624

T. 1277 • 60%



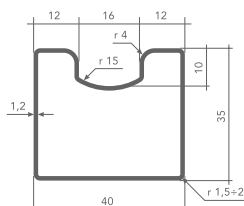
Thickness (mm)	kg/m
1,2	1,2

T. 1622 • 40%



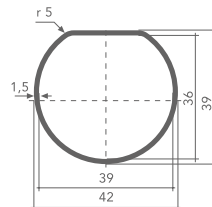
Thickness (mm)	kg/m
1,2	2,096

T. 1544 • 50%



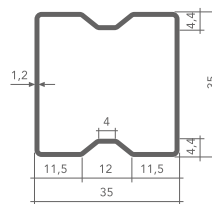
Thickness (mm)	kg/m
1,2	1,563

T. 2015 • 45%



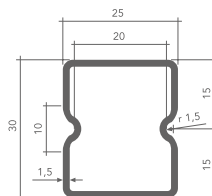
Thickness (mm)	kg/m
1,5	3,32

T. 1199 • 55%



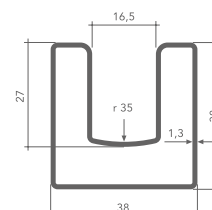
Thickness (mm)	kg/m
1,2	1,63

T. 1648 • 60%



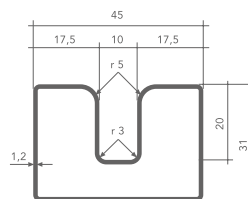
Thickness (mm)	kg/m
1,5	1,27

T. 1286 • 50%



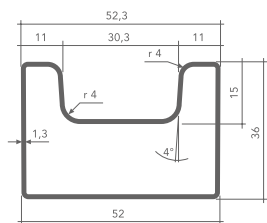
Thickness (mm)	kg/m
1,3	2,00

T. 2016 • 50%



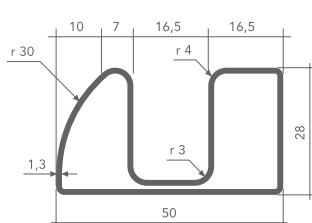
Thickness (mm)	kg/m
1,2	1,74

T. 1510 • 50%



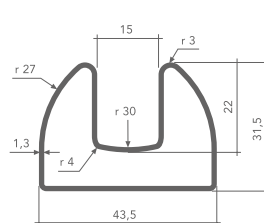
Thickness (mm)	kg/m
1,3	2,04

T. 1713 • 60%



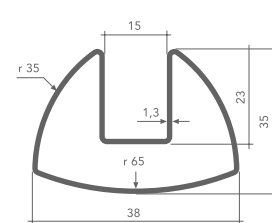
Thickness (mm)	kg/m
1,3	1,95

T. 1447 • 55%



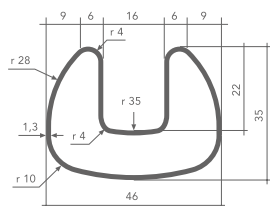
Thickness (mm)	kg/m
1,3	1,75

T. 1601 • 55%



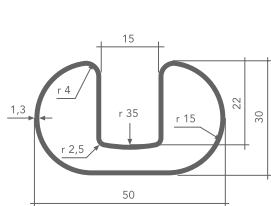
Thickness (mm)	kg/m
1,3	1,883

T. 1770 • 50%



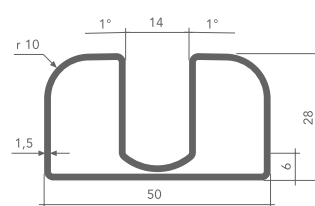
Thickness (mm)	kg/m
1,3	1,78

T. 1428 • 50%



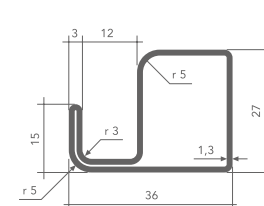
Thickness (mm)	kg/m
1,3	1,78

T. 1538 • 60%



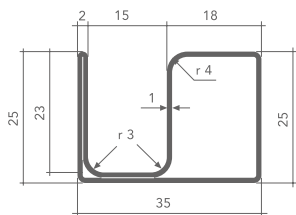
Thickness (mm)	kg/m
1,5	2,276

T. 1780 • 60%



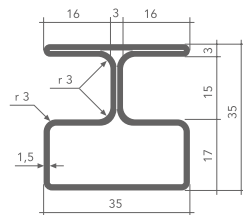
Thickness (mm)	kg/m
1,3	1,52

T. 1840 • 70%



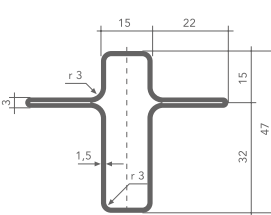
Thickness (mm)	kg/m
1	1,21

T. 1853 • 55%



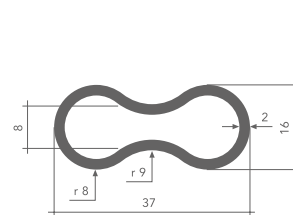
Thickness (mm)	kg/m
1,5	2,18

T. 1843 • 45%



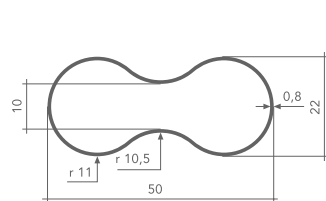
Thickness (mm)	kg/m
1,5	2,46

T. 1715 • 70%



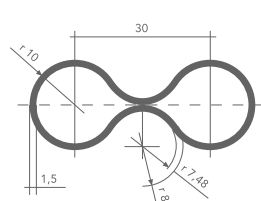
Thickness (mm)	kg/m
2	1,38

T. 975 • 60%



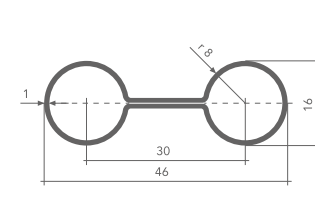
Thickness (mm)	kg/m
0,8	1,208

T. 1716 • 60%



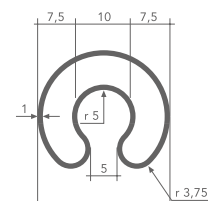
Thickness (mm)	kg/m
1,5	1,54

T. 1652 • 70%



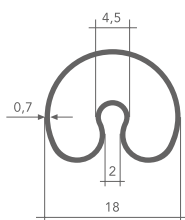
Thickness (mm)	kg/m
1	0,96

T. 1194 • 70%



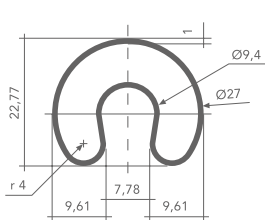
Thickness (mm)	kg/m
1	0,81

T. 1223 • 100%



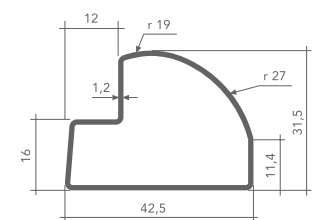
Thickness (mm)	kg/m
0,7	0,36

T. 1937 • 75%



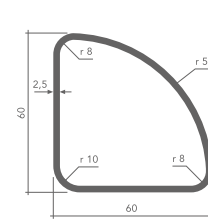
Thickness (mm)	kg/m
1	0,84

T. 1603 • 60%



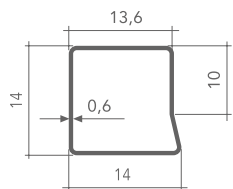
Thickness (mm)	kg/m
1,2	1,208

T. 1552 • 35%



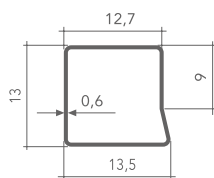
Thickness (mm)	kg/m
2,5	3,885

T. 2094 • 100%



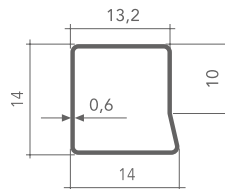
Thickness (mm)	kg/m
0,6	0,25

T. 1888 • 100%



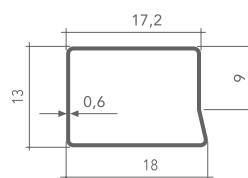
Thickness (mm)	kg/m
0,6	0,23

T. 1120 • 100%



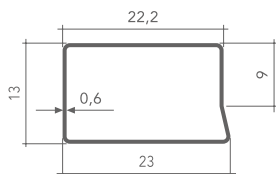
Thickness (mm)	kg/m
0,6	0,25

T. 1889 • 100%



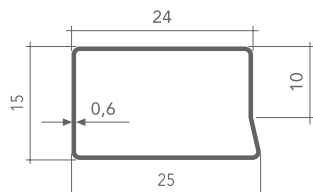
Thickness (mm)	kg/m
0,6	0,29

T. 1890 • 00%



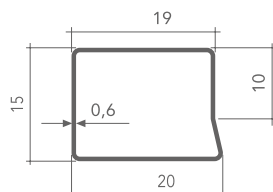
Thickness (mm)	kg/m
0,6	0,31

T. 1733 • 00%



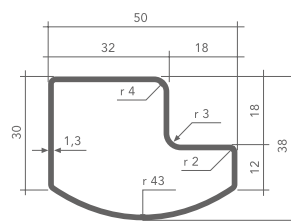
Thickness (mm)	kg/m
0,6	0,36

T. 1732 • 00%



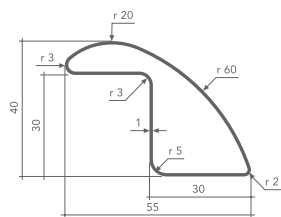
Thickness (mm)	kg/m
0,6	0,27

T. 1887 • 50%



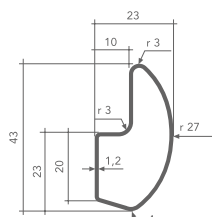
Thickness (mm)	kg/m
1,3	1,52

T. 1655 • 45%



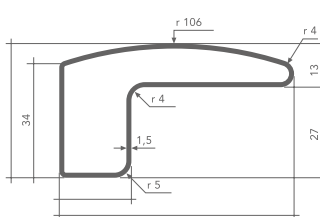
Thickness (mm)	kg/m
1	1,209

T. 1953 • 45%



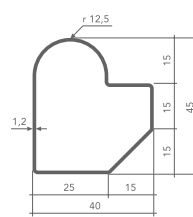
Thickness (mm)	kg/m
1,2	1,070

T. 1954 • 45%



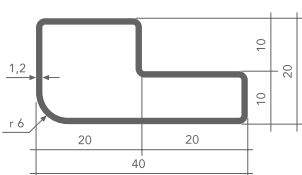
Thickness (mm)	kg/m
1,5	2,350

T. 1162 • 40%



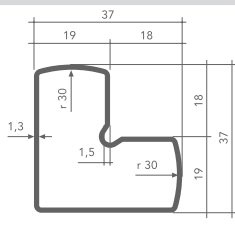
Thickness (mm)	kg/m
1,2	1,38

T. 1567 • 70%



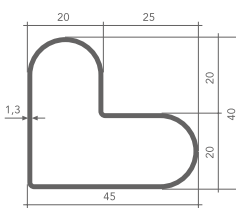
Thickness (mm)	kg/m
1,2	1,089

T. 1513 • 55%



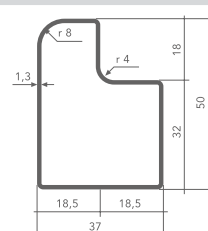
Thickness (mm)	kg/m
1,3	1,5

T. 1423 • 50%



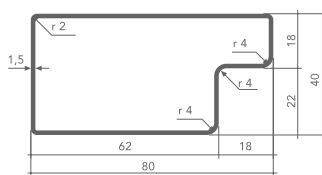
Thickness (mm)	kg/m
1,3	1,55

T. 1986 • 45%



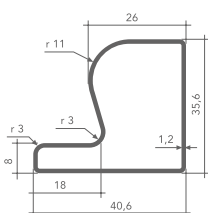
Thickness (mm)	kg/m
1,3	1,69

T. 1973 • 40%



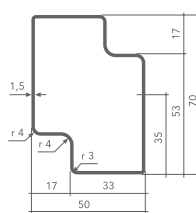
Thickness (mm)	kg/m
1,5	2,758

T. 1957 • 50%



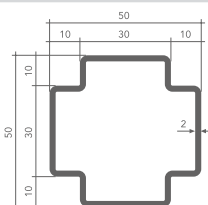
Thickness (mm)	kg/m
1,2	1,380

T. 1992 • 30%



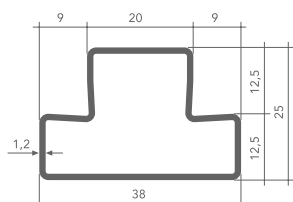
Thickness (mm)	kg/m
1,5	2,758

T. 971 • 40%



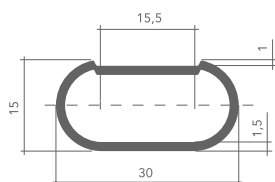
Thickness (mm)	kg/m
2	3,01

T. 1414/B • 70%



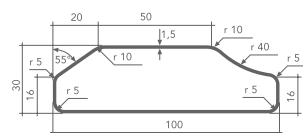
Thickness (mm)	kg/m
1,2	1,49

T. 1797 • 80%



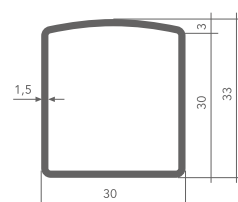
Thickness (mm)	kg/m
1	0,87

T. 2008 • 30%



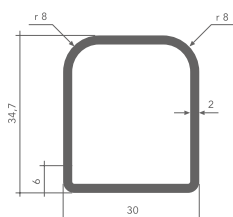
Thickness (mm)	kg/m
1,5	2,758

T. 863 • 70%



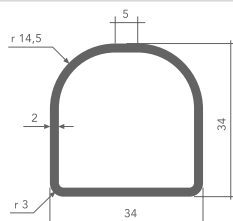
Thickness (mm)	kg/m
1,5	1,35

T. 1894 • 60%



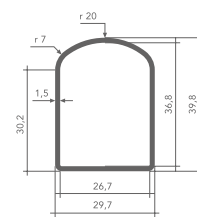
Thickness (mm)	kg/m
2	1,87

T. 1883 • 60%



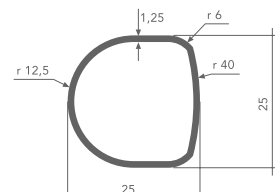
Thickness (mm)	kg/m
2	1,87

T. 1928 • 45%



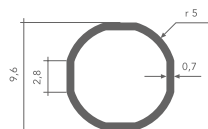
Thickness (mm)	kg/m
1,5	1,49

T. 1795 • 70%



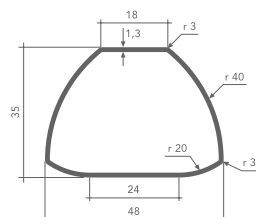
Thickness (mm)	kg/m
1,25	0,76

T. 1982 • 150%



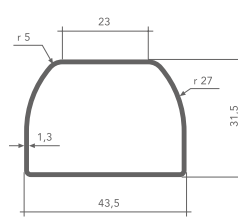
Thickness (mm)	kg/m
0,7	0,16

T. 1778 • 50%



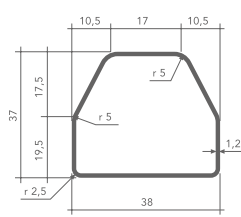
Thickness (mm)	kg/m
1,3	1,4

T. 1971 • 50%



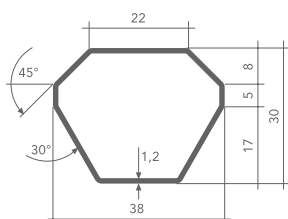
Thickness (mm)	kg/m
1,3	1,34

T. 1918 • 50%



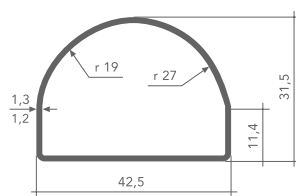
Thickness (mm)	kg/m
1,2	1,20

T. 1188 • 60%



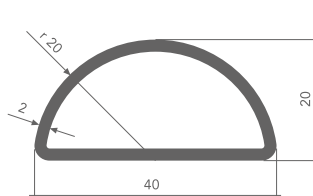
Thickness (mm)	kg/m
1,2	1,03

T. 1446 • 60%



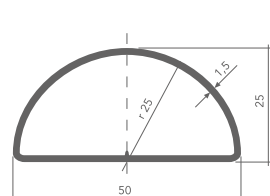
Thickness (mm)	kg/m
1,2	1,18

T. 1645 • 80%



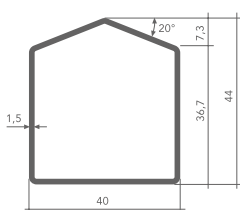
Thickness (mm)	kg/m
2	1,52

T. 1668 • 60%



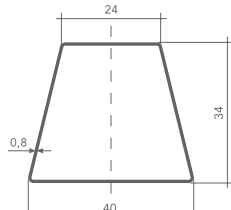
Thickness (mm)	kg/m
1,5	1,49

T. 1367 • 50%



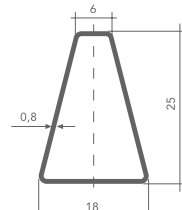
Thickness (mm)	kg/m
1,5	1,79

T. 1329/B • 55%



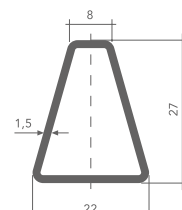
Thickness (mm)	kg/m
0,8	0,73

T. 1329 • 80%



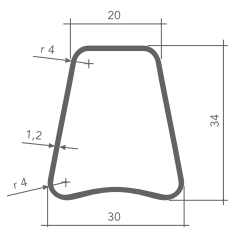
Thickness (mm)	kg/m
0,8	0,46

T. 1785 • 70%



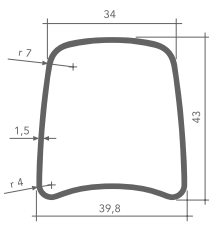
Thickness (mm)	kg/m
1,5	0,98

T. 1651 • 60%



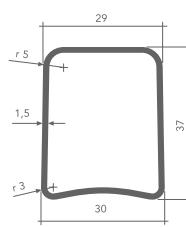
Thickness (mm)	kg/m
1,2	1,09

T. 1653 • 55%



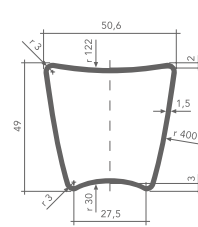
Thickness (mm)	kg/m
1,5	1,79

T. 1650 • 55%



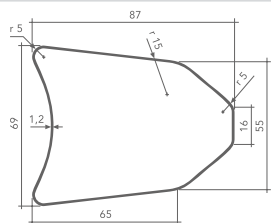
Thickness (mm)	kg/m
1,5	1,72

T. 1925 • 35%



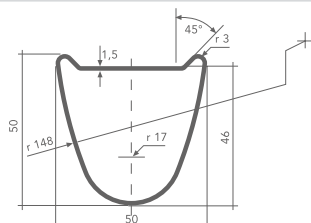
Thickness (mm)	kg/m
1,5	2,05

T. 1654 • 30%



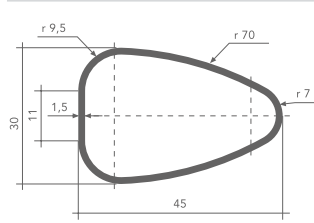
Thickness (mm)	kg/m
1,2	2,60

T. 1767 • 40%



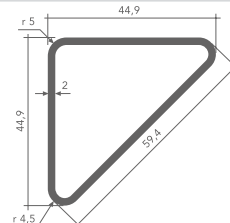
Thickness (mm)	kg/m
1,5	1,98

T. 2020 • 60%



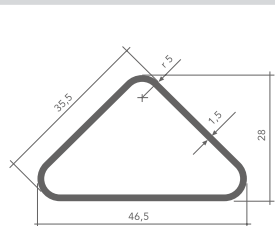
Thickness (mm)	kg/m
1,5	1,42

T. 1802 • 50%



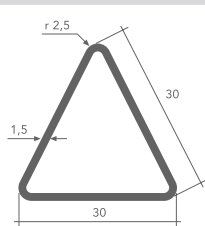
Thickness (mm)	kg/m
2	2,27

T. 1644 • 60%



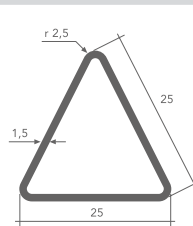
Thickness (mm)	kg/m
1,5	1,35

T. 1490 • 70%



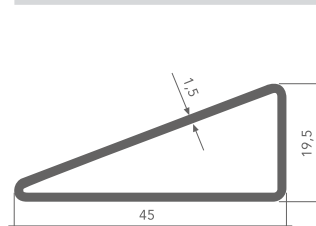
Thickness (mm)	kg/m
1,5	0,02

T. 1781 • 80%



Thickness (mm)	kg/m
1,5	0,83

T. 1643 • 80%



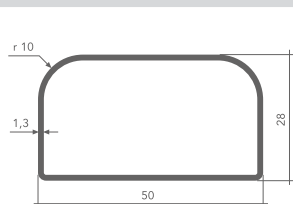
Thickness (mm)	kg/m
1,5	1,27

T. 862 • 60%



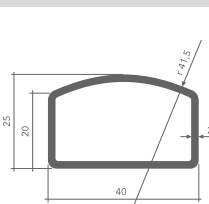
Thickness (mm)	kg/m
1,5	1,79

T. 1800 • 60%



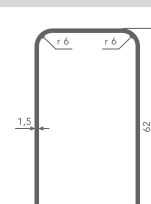
Thickness (mm)	kg/m
1,3	1,52

T. 1646 • 50%



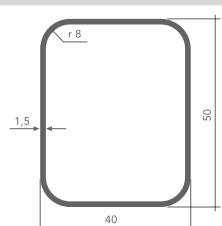
Thickness (mm)	kg/m
2	1,97

T. 1155 • 40%



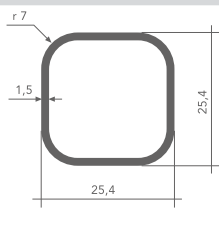
Thickness (mm)	kg/m
1,5	2,16

T. 1714 • 50%



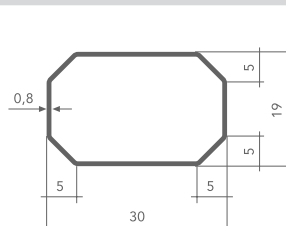
Thickness (mm)	kg/m
1,5	1,87

T. 2007 • 70%



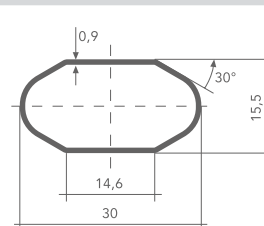
Thickness (mm)	kg/m
1,5	1,003

T. 1218 • 80%



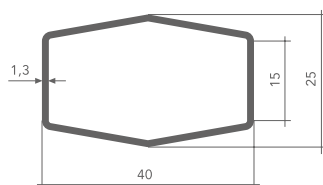
Thickness (mm)	kg/m
0,8	0,53

T. 1275 • 80%



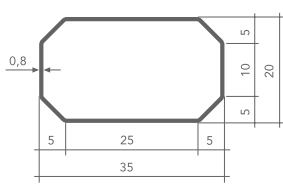
Thickness (mm)	kg/m
0,9	0,53

T. 1063 • 70%



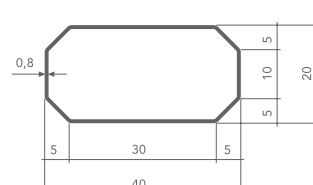
Thickness (mm)	kg/m
1,3	1,14

T. 1217 • 70%



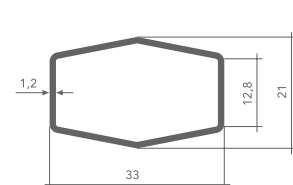
Thickness (mm)	kg/m
0,8	0,61

T. 1975 • 65%



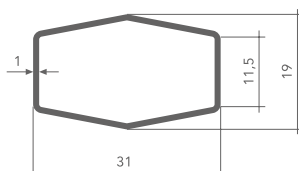
Thickness (mm)	kg/m
0,8	0,675

T. 960 • 70%



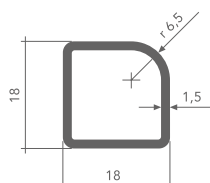
Thickness (mm)	kg/m
1,2	0,85

T. 1258 • 80%



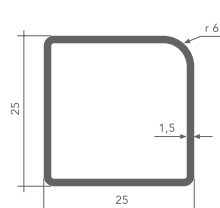
Thickness (mm)	kg/m
1	0,66

T. 1640 • 80%



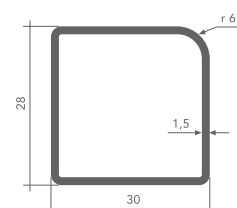
Thickness (mm)	kg/m
1,5	0,758

T. 1330 • 80%



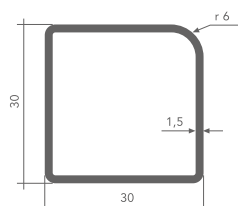
Thickness (mm)	kg/m
1,5	1,13

T. 892 • 70%



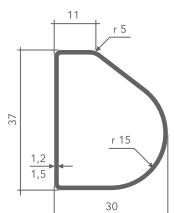
Thickness (mm)	kg/m
1,5	1,28

T. 891 • 70%



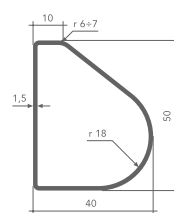
Thickness (mm)	kg/m
1,5	1,33

T. 1112 • 50%



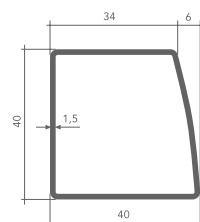
Thickness (mm)	kg/m
1,2	1,09

T. 1240 • 40%



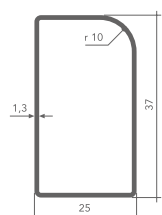
Thickness (mm)	kg/m
1,5	1,79

T. 1241 • 50%



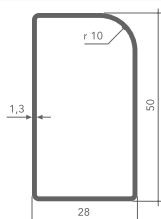
Thickness (mm)	kg/m
1,5	1,79

T. 1522 • 55%



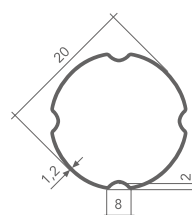
Thickness (mm)	kg/m
1,3	1,18

T. 1698 • 50%



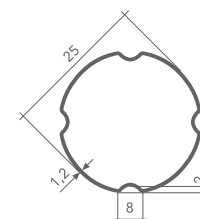
Thickness (mm)	kg/m
1,3	1,5

T. 1242 • 45%



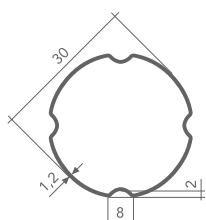
Thickness (mm)	kg/m
1,2	0,550

T. 1590 • 45%



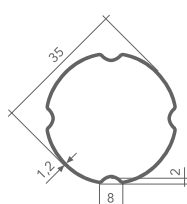
Thickness (mm)	kg/m
1,2	0,704

T. 1600 • 45%



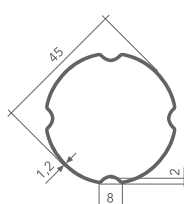
Thickness (mm)	kg/m
1,2	0,852

T. 1606 • 40%



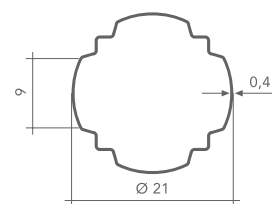
Thickness (mm)	kg/m
1,2	1,000

T. 1658 • 40%



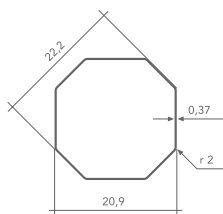
Thickness (mm)	kg/m
1,2	1,300

T. 1789 • 100%



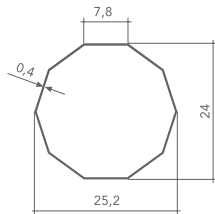
Thickness (mm)	kg/m
0,4	0,20

T. 1784 • 75%



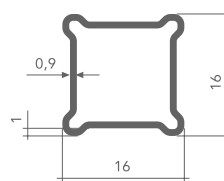
Thickness (mm)	kg/m
0,37	0,21

T. 1993 • 75%



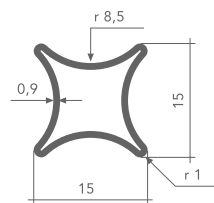
Thickness (mm)	kg/m
0,4	0,24

T. 1910 • 100%



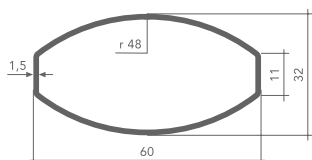
Thickness (mm)	kg/m
0,9	0,468

T. 1882 • 100%



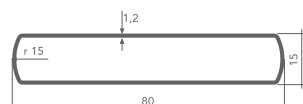
Thickness (mm)	kg/m
0,9	0,401

T. 1618 • 50%



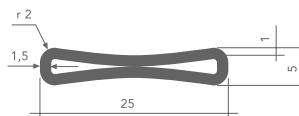
Thickness (mm)	kg/m
1,5	1,79

T. 1632 • 45%



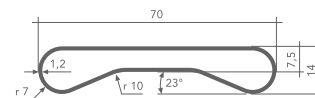
Thickness (mm)	kg/m
1,2	1,652

T. 1747 • 100%



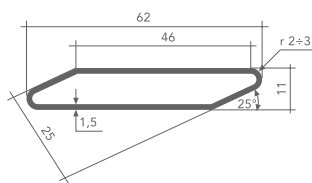
Thickness (mm)	kg/m
1,5	0,6

T. 1685 • 45%



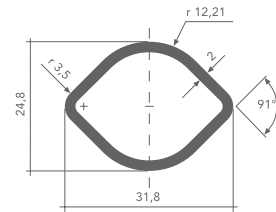
Thickness (mm)	kg/m
1,2	1,504

T. 1572 • 50%



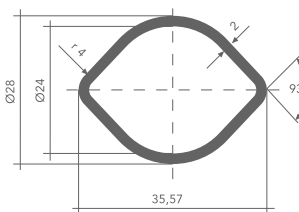
Thickness (mm)	kg/m
1,5	1,610

T. 1799 • 70%



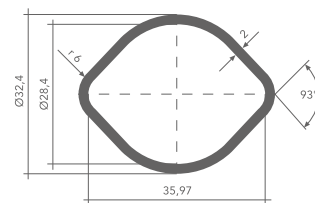
Thickness (mm)	kg/m
2	1,23

T. 1988 • 70%



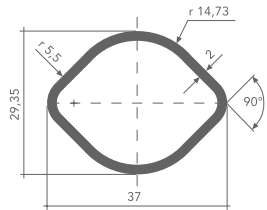
Thickness (mm)	kg/m
2	1,48

T. 1987 • 65%



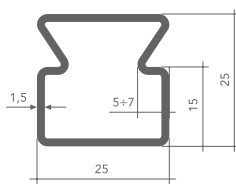
Thickness (mm)	kg/m
2	1,67

T. 1669 • 65%



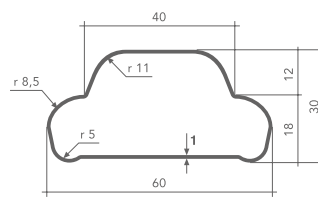
Thickness (mm)	kg/m
2	1,48

T. 1414 • 70%



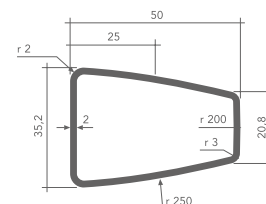
Thickness (mm)	kg/m
1,5	1,35

T. 941 • 50%



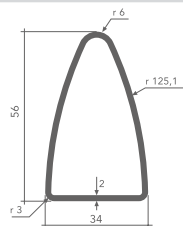
Thickness (mm)	kg/m
1	1,21

T. 1879 • 45%



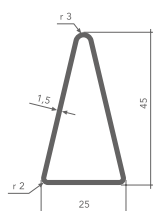
Thickness (mm)	kg/m
2	2,37

T. 1966 • 40%



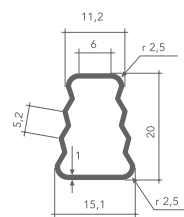
Thickness (mm)	kg/m
2	2,37

T. 1963 • 45%



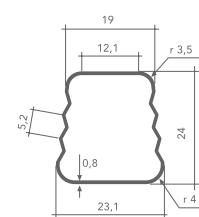
Thickness (mm)	kg/m
1,5	1,42

T. 1969 • 70%



Thickness (mm)	kg/m
1	0,398

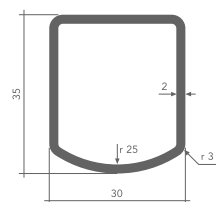
T. 1968 • 60%



Thickness (mm)	kg/m
0,8	0,517

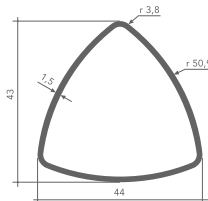


T. 1985 • 50%



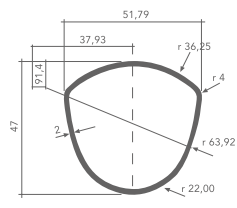
Thickness (mm)	kg/m
1,5	1,87

T. 2074 • 70%

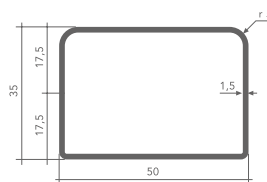


Thickness (mm)	kg/m
1	0,72

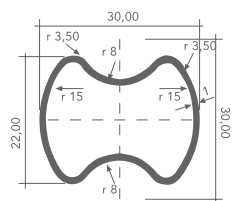
T. 2086 • 80%



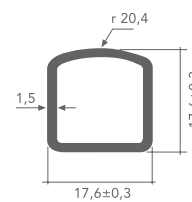
Thickness (mm)	kg/m
1,5	0,72



Thickness (mm)	kg/m
1,5	1,87

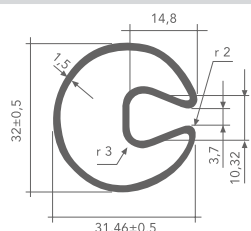


Thickness (mm)	kg/m
1	0,72



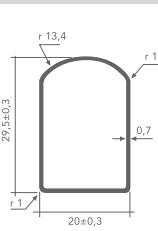
Thickness (mm)	kg/m
1,5	0,72

T. 2093 • 60%



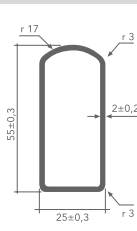
Thickness (mm)	kg/m
1,5	1,50

T. 2095 • 60%



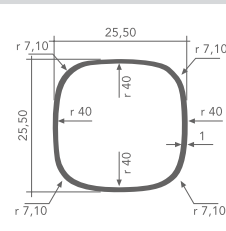
Thickness (mm)	kg/m
0,7	0,51

T. 2097 • 35%



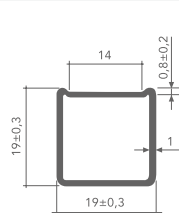
Thickness (mm)	kg/m
2±0,2	2,31

T. 2099 • 70%



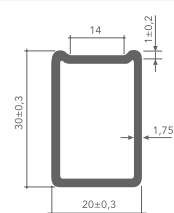
Thickness (mm)	kg/m
1	0,67

T. 2102 • 70%



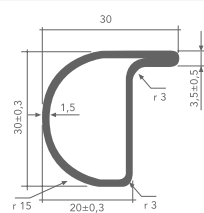
Thickness (mm)	kg/m
1	0,57

T. 2103 • 60%



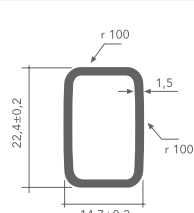
Thickness (mm)	kg/m
1±0,2	1,30

T. 2104 • 60%



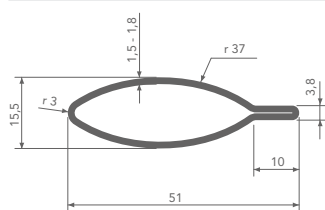
Thickness (mm)	kg/m
1,5	1,20

T. 2106 • 70%



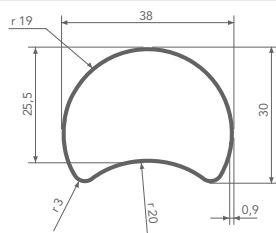
Thickness (mm)	kg/m
1,5	0,83

T. 2192 • 60%



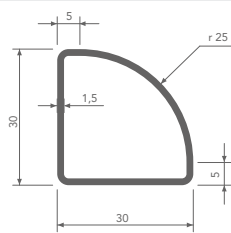
Thickness (mm)	kg/m
1,5	1,28
1,8	1,52

T. 2191 • 60%



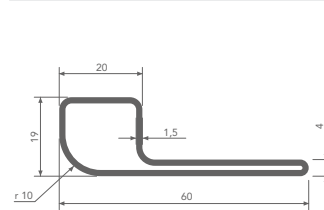
Thickness (mm)	kg/m
0,9	0,802

T. 2186 • 60%



Thickness (mm)	kg/m
1,5	1,24

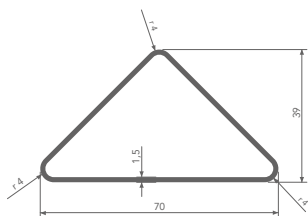
T. 2183 • 55%



Thickness (mm)	kg/m
1,5	1,72

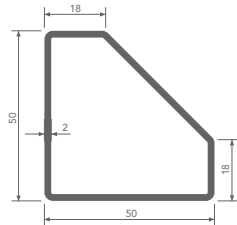


T. 2172 • 45%



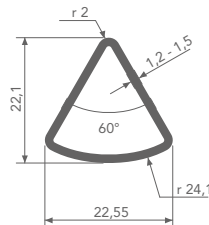
Thickness (mm)	kg/m
1,5	2,02

T. 2165 • 45%



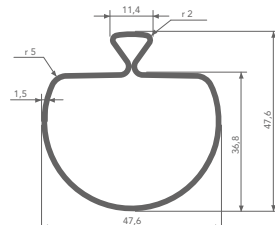
Thickness (mm)	kg/m
2	2,71

T. 2162 • 75%



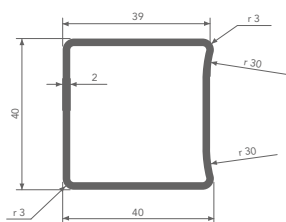
Thickness (mm)	kg/m
1,2	1,52
1,5	0,795

T. 2150 • 60%



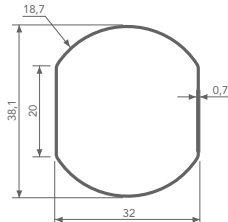
Thickness (mm)	kg/m
1,5	1,94

T. 2148 • 50%



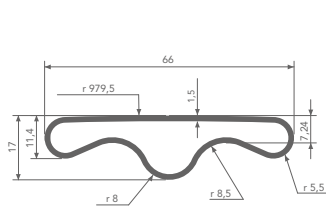
Thickness (mm)	kg/m
2	2,37

T. 2146 • 60%



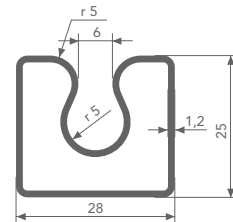
Thickness (mm)	kg/m
0,7	0,63

T. 2145 • 50%



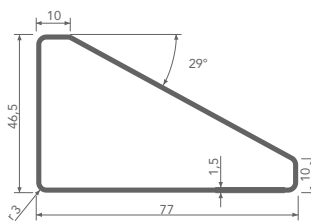
Thickness (mm)	kg/m
1,5	1,79

T. 2144 • 75%



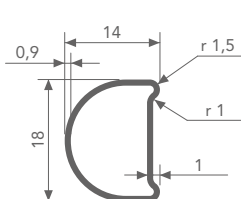
Thickness (mm)	kg/m
1,2	1,2

T. 2143 • 45%



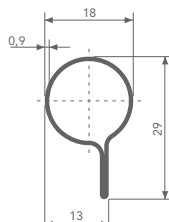
Thickness (mm)	kg/m
1,5	2,53

T. 2135 • 90%



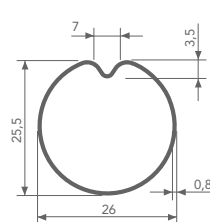
Thickness (mm)	kg/m
0,9	0,379

T. 2134 • 65%



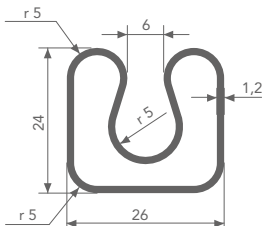
Thickness (mm)	kg/m
0,9	0,535

T. 2132 • 70%



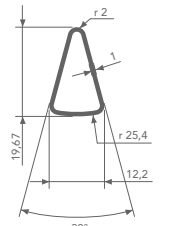
Thickness (mm)	kg/m
0,8	0,517

T. 2131 • 80%



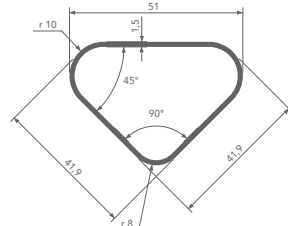
Thickness (mm)	kg/m
1,2	1,15

T. 2130 • 60%



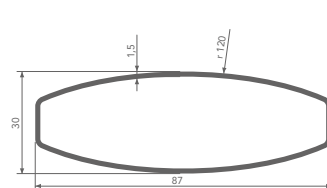
Thickness (mm)	kg/m
1	0,388

T. 2112 • 45%



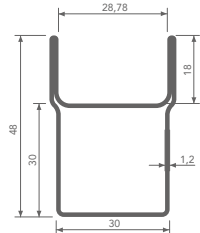
Thickness (mm)	kg/m
1,5	1,61

T. 2117 • 45%



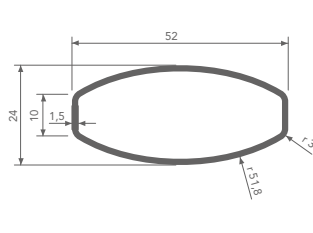
Thickness (mm)	kg/m
1,5	2,35

T. 2122 • 50%



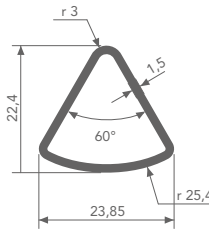
Thickness (mm)	kg/m
1,2	1,82

T. 2124 • 55%



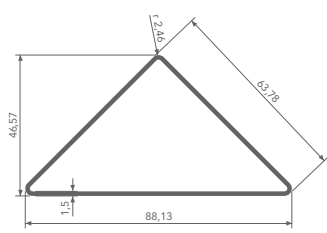
Thickness (mm)	kg/m
1,5	1,46

T. 2127 • 75%



Thickness (mm)	kg/m
1,2	0,645
1,5	0,795

T. 2129 • 40%



Thickness (mm)	kg/m
1,5	2,53





The certified product range of Marcegaglia Carbon Steel cold-drawn welded tubes is manufactured within Europe's largest specialized plant in Boltiere, as well as in the new Chinese production complex in Yangzhou. Mechanical properties, as well as strictly controlled dimensional tolerances, give cold-drawn tubes significant advantages for several precision applications.

La gamma certificata di tubi trafilati a freddo Marcegaglia Carbon Steel è prodotta a Boltiere nel più grande stabilimento Europeo specializzato del settore, oltre che nel nuovo complesso produttivo cinese di Yangzhou. Proprietà meccaniche e rigorose tolleranze dimensionali sono alcuni dei vantaggi significativi dell'impiego di tubi saldati trafilati a freddo in numerose applicazioni di precisione.

Cold-drawn welded tubes

Tubi saldati trafilati a freddo



Typical applications

Esempi delle principali applicazioni

Dedicated manufacturing plants based in Europe and Asia regularly supply the world markets with a specialized production program for the hydraulic cylinder industry and other automotive applications.

Le unità produttive specializzate Marcegaglia Carbon Steel in Europa e Asia servono il mercato mondiale con le gamme dedicate al settore della produzione di cilindri idraulici e all'industria dell'auto e dei veicoli industriali.





Tubes for hydraulic applications

Tubi per applicazioni idrauliche e oleodinamiche

**Tubes for automotive
and mechanical applications**

Tubi per applicazioni automotive e meccaniche



Cold-drawn welded tubes

Tubi saldati trafilati a freddo

Main manufacturing standards *Principali norme di produzione*

MANUFACTURING STANDARD <i>Norma di fabbricazione</i>	PRODUCT DESIGNATION <i>Designazione prodotto</i>	GRADE* <i>Qualità</i>	TREATMENT <i>Tipologie di trattamento</i>
EN 10305-2	Cold-drawn welded tubes <i>Tubi saldati trafilati a freddo</i>	E195 E235 E275 E355	+C Hard. No final treatment after final cold drawing. <i>Crudo.</i> Senza trattamento termico dopo la trafilatura a freddo conclusiva.
			+LC Soft. Final heat treatment is followed by a suitable drawing pass (limited reduction of area). <i>Crudo malleabile.</i> La trafilatura a freddo avviene in una passata dopo l'ultimo trattamento termico.
			+SR Stress Relieved. After final cold drawing, the tubes are stress relieved in a controlled atmosphere. <i>Disteso.</i> Dopo l'ultima trafilatura a freddo, si procede alla ricottura di distensione in condizioni di atmosfera controllata.
			+A Annealed. After final cold drawing, the tubes are annealed in a controlled atmosphere. <i>Ricotto.</i> I tubi sono ricotti in condizioni di atmosfera controllata dopo l'ultima trafilatura a freddo.
			+N Normalized. After final cold drawing, the tubes are normalized in a controlled atmosphere. <i>Normalizzato.</i> I tubi sono normalizzati in condizioni di atmosfera controllata dopo l'ultima trafilatura a freddo.

(*) Upon request: supply of grades not included in the above mentioned standards - Su richiesta si forniscono anche qualità differenti dalla norma

Supply conditions - Condizioni di fornitura

- Tubes are supplied in 5000/8000 mm lengths unless otherwise specified in order
I tubi vengono forniti in barre commerciali da mm 5000/8000. Lunghezze fisse su specifico accordo all'ordine
- Dimensional tolerances according to manufacturing standard
Tolleranze dimensionali secondo le norme di fabbricazione
- Special tolerances upon request *Tolleranze speciali su richiesta*
- Control documents 2.1, 2.2, 3.1, 3.2 according to EN 10204 and other specific norm requirements
Documenti di controllo 2.1, 2.2, 3.1, 3.2 secondo norma EN 10204 e indicazione specifiche di ciascuna norma



STANDARD AND OPTIONAL TESTING - Prove e controlli standard e opzionali

Visual and dimensional test 100% - *Controllo visivo e dimensionale 100%*

Eddy current test 100% acc. to EN 10246-3 - *Controllo a correnti indotte 100% sec. EN 10246-3*

Ultrasonic test 100% acc. to EN 10246-7 - *Controllo ultrasuoni 100% sec. EN 10246-7*

Chemical composition - *Analisi chimica*

Impact test - *Prove di resilienza*

Cold-drawn welded tubes

Tubi saldati trafilati a freddo

 ROUND TUBES EN 10305-2 Tubi saldati trafilati EN 10305-2 weight kg/m																		
outside diameter mm																		
	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	9,0	10,0	12,5	15,0
18	0,61	0,79	0,96	1,11	1,25	1,38	1,50	1,60										
20	0,68	0,89	1,08	1,26	1,42	1,58	1,72	1,85	1,97	2,07								
25	0,87	1,13	1,39	1,63	1,86	2,07	2,27	2,47	2,64	2,81	2,97	3,11						
30	1,05	1,38	1,70	2,00	2,29	2,56	2,83	3,08	3,32	3,55	3,77	3,97						
35	1,24	1,63	2,00	2,37	2,72	3,06	3,38	3,70	4,00	4,29	4,57	4,83	5,09	5,33				
40	1,42	1,87	2,31	2,74	3,15	3,55	3,94	4,32	4,68	5,03	5,37	5,70	6,01	6,31				
45	1,61	2,12	2,62	3,11	3,58	4,04	4,49	4,93	5,36	5,77	6,17	6,56	6,94	7,30				
50	1,79	2,37	2,93	3,48	4,01	4,54	5,05	5,55	6,04	6,51	6,97	7,42	7,86	8,29				
55	1,98	2,61	3,24	3,85	4,44	5,03	5,60	6,17	6,71	7,25	7,77	8,29	8,79	9,27				
60	2,16	2,86	3,54	4,22	4,88	5,52	6,16	6,78	7,39	7,99	8,58	9,15	9,71	10,26				
65	2,35	3,11	3,85	4,59	5,31	6,02	6,71	7,40	8,07	8,73	9,38	10,01	10,63	11,24				
70	2,53	3,35	4,16	4,96	5,74	6,51	7,27	8,01	8,75	9,47	10,18	10,88	11,56	12,23	9,03	14,80		
75	2,72	3,60	4,47	5,33	6,17	7,00	7,82	8,63	9,43	10,21	10,98	11,74	12,48	13,22	9,77	16,03		
80	2,90	3,85	4,78	5,70	6,60	7,50	8,38	9,25	10,10	10,95	11,78	12,60	13,41	14,20	10,51	17,26		
85	3,09	4,09	5,09	6,07	7,03	7,99	8,93	9,86	10,78	11,69	12,58	13,46	14,33	15,19	11,24	18,50		
90	3,27	4,34	5,39	6,44	7,47	8,48	9,49	10,48	11,46	12,43	13,38	14,33	15,26	16,18	11,98	19,73	23,89	
95	3,46	4,59	5,70	6,81	7,90	8,98	10,04	11,10	12,14	13,17	14,19	15,19	16,18	17,16	12,72	20,96	25,43	
100	3,64	4,83	6,01	7,18	8,33	9,47	10,60	11,71	12,82	13,91	14,99	16,05	17,11	18,15	13,46	22,19	26,97	
105	3,83	5,08	6,32	7,55	8,76	9,96	11,15	12,33	13,50	14,65	15,79	16,92	18,03	19,14	14,20	23,43	28,51	
110	4,01	5,33	6,63	7,92	9,19	10,46	11,71	12,95	14,17	15,39	16,59	17,78	18,96	20,12	14,94	24,66	30,05	
115	4,20	5,57	6,94	8,29	9,62	10,95	12,26	13,56	14,85	16,13	17,39	18,64	19,88	21,11	15,68	25,89	31,60	
120	4,38	5,82	7,24	8,66	10,06	11,44	12,82	14,18	15,53	16,87	18,19	19,51	20,81	22,10	16,42	27,13	33,14	
130	4,75	6,31	7,86	9,40	10,92	12,43	13,93	15,41	16,89	18,35	19,80	21,23	22,66	24,07	17,90	29,59	36,22	
135			8,17	9,77	11,35	12,92	14,48	16,03	17,56	19,09	20,60	22,10	23,58	25,05	18,64	30,83	37,76	44,39
150			8,48	10,14	11,78	13,42	15,04	16,65	18,24	19,83	21,40	22,96	24,51	26,04	19,38	32,06	39,30	46,24
145			8,79	10,51	12,21	13,91	15,59	17,26	18,92	20,57	22,20	23,82	25,43	27,03	20,12	33,29	40,84	48,09
150			9,09	10,88	12,64	14,40	16,15	17,88	19,60	21,31	23,00	24,68	26,36	28,01	20,86	34,52	42,38	49,94
160			9,71	11,61	13,51	15,39	17,26	19,11	20,95	22,79	24,60	26,41	28,20	29,99	22,34	36,99	45,47	53,64
170			10,33	12,35	14,37	16,37	18,37	20,34	22,31	24,27	26,21	28,14	30,05	31,96	23,82	39,46	48,55	57,33
180			10,94	13,09	15,23	17,36	19,48	21,58	23,67	25,75	27,81	29,86	31,90	33,93	25,30	41,92	51,63	61,03
190			11,56	13,83	16,10	18,35	20,58	22,81	25,02	27,22	29,41	31,59	33,75	35,90	26,78	44,39	54,71	64,73
200			12,18	14,57	16,96	19,33	21,69	24,04	26,38	28,70	31,02	33,32	35,60	37,88	28,26	46,85	57,80	68,43
210			12,79	15,31	17,82	20,32	22,80	25,28	27,74	30,18	32,62	35,04	37,45	39,85	29,74	49,32	60,88	72,13
215													38,38	40,84	30,48	50,55	62,42	73,98
220													39,30	41,82	31,22	51,79	63,96	75,83
225													40,23	42,81	31,96	53,02	65,50	77,68
230													41,15	43,80	32,70	54,25	67,04	79,53

Other dimensions on request - Altre dimensioni su richiesta



Cold-drawn tubes for automotive and mechanical applications

Tubi trafilati per applicazioni automotive/meccaniche

TECHNICAL CHARACTERISTICS *Caratteristiche tecniche*

GRADE
QUALITÀ E195, E235, E275, E355

TREATMENT
TIPOLOGIA DI TRATTAMENTO +C, +LC, +SR, +A, +N

SURFACE FINISHING
FINITURA SUPERFICIALE

- **Outside diameter and inside diameter:** smooth as drawn (EN 10305-2)
Diametro esterno e interno: liscio e trafilato sec. EN 10305-2
- **On request:** roughness $R_a < 0.4 \mu$
Su richiesta: rugosità $R_a < 0,4 \mu$

DIMENSIONAL TOLERANCE
TOLLERANZE DIMENSIONALI

- **Standard:** according to EN 10305-2
Standard: secondo EN 10305-2
- **Special:** on request
Speciali: su richiesta

OPTIONAL PROCESSING
LAVORAZIONI OPZIONALI

- **Drawing in reactive oil**
Trafilatura in olio reattivo
- **Dephosphating**
Defosfatazione



Standard delivery program

Tabella dimensionale del programma di fornitura standard



COLD-DRAWN TUBES FOR MECHANICAL APPLICATIONS EN 10305-2																			
Tubi saldati trafilati per applicazioni meccaniche secondo EN 10305-2																			
outside diameter mm	wall thickness mm																		
	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	9,0	10,0	12,5	15,0	
18	•	•	•	•	•	•													
20	•	•	•	•	•	•	•	•											
25	•	•	•	•	•	•	•	•	•	•									
30	•	•	•	•	•	•	•	•	•	•									
35	•	•	•	•	•	•	•	•	•	•	•	•							
40	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
45	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
50	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
55	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
60	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
65	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
70	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
75	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
85	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
90	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
95	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
105		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
110		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
115		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
120		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
130		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
135		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
140		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
145		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
150		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
160		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
170			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
180			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
190			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
200			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
205			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
210								•	•	•	•	•	•	•	•	•	•	•	•
215								•	•	•	•	•	•	•	•	•	•	•	•
220								•	•	•	•	•	•	•	•	•	•	•	•
225								•	•	•	•	•	•	•	•	•	•	•	•
230								•	•	•	•	•	•	•	•	•	•	•	•





Cold-drawn tubes for cardans

Tubi trafilati per cardani



TECHNICAL CHARACTERISTICS *Caratteristiche tecniche*

GRADE
QUALITÀ

E195, E235, E275, E355

TREATMENT
TIPOLOGIA DI TRATTAMENTO

+C, +LC, +SR, +A, +N



- DIMENSIONS AND SHAPES DEVELOPED ACCORDING TO CUSTOMER SPECIFICATIONS
DIMENSIONI E SAGOME SONO SVILUPPATE IN CONFORMITÀ AI REQUISITI DEL CLIENTE
- SURFACE FINISH AND SPECIAL TOLERANCES UPON REQUEST
FINITURE SUPERFICIALI E TOLLERANZE SPECIALI SECONDO ACCORDI SPECIFICI



Ready-to-use cylinder tubes

Tubi trafilati per cilindri pronti all'uso



TECHNICAL CHARACTERISTICS *Caratteristiche tecniche*

GRADE
QUALITÀ E355

TREATMENT
TIPOLOGIA DI TRATTAMENTO +C

SURFACE FINISHING
FINITURA SUPERFICIALE

- **Outside diameter:** smooth as drawn (EN 10305-2)
Diametro esterno: liscio e trafilato sec. EN 10305-2
- **Inside diameter:** roughness Ra < 0.80 μ (average 0.50÷0.60 μ)
Diametro interno: rugosità Ra < 0,80 μ (media 0,50÷0,60 μ)

DIMENSIONAL TOLERANCES
TOLLERANZE DIMENSIONALI

- **Inside diameter:** ISO H9 (ISO H10 for thickness < 4 mm)
Diametro interno: ISO H9 (ISO H10 per spessori < 4 mm)

Delivery conditions - *Condizioni di fornitura*

- Standard packaging with plastic caps and strapped bundles, standard weight approx. 1500 kg
Imballo standard con tappi in plastica alle estremità e in fasci reggiati di peso standard di circa 1500 kg
- Commercial lengths 5000-8000 mm, custom lengths upon request *Lunghezze commerciali mm 5000-8000, lunghezze specifiche su richiesta*
- Surface protection *Protezione superficiale*
- Marking: MM E355 OD x ID EN 10305-2 +C - Heath *Marcatura: MM E355 DE x DI EN 10305-2 +C - Colata*

Standard delivery program

Tabella dimensionale del programma di fornitura standard

COLD-DRAWN TUBES EN 10305-2 - E355 +C				
inside diameter mm	outside diameter mm	wall thickness mm	tolerance ISO	weight kg/m
20,0	30,0	5,0	H 9	3,1
25,0	35,0	5,0	H 9	3,7
32,0	40,0	4,0	H 10	3,5
	42,0	5,0	H 9	4,6
35,0	45,0	5,0	H 9	4,9
40,0	45,0	2,5	H 10	2,6
	50,0	5,0	H 9	5,5
45,0	55,0	5,0	H 9	6,2
	60,0	7,5	H 9	9,7
50,0	55,0	2,5	H 10	3,2
	60,0	5,0	H 9	6,8
	65,0	7,5	H 9	10,6
55,0	65,0	5,0	H 9	7,4
	70,0	7,5	H 9	11,6
60,0	70,0	5,0	H 9	8,0
	72,0	6,0	H 9	9,8
	75,0	7,5	H 9	12,5
63,0	73,0	5,0	H 9	8,4
	75,0	6,0	H 9	10,2
65,0	75,0	5,0	H 9	8,6
	80,0	7,5	H 9	13,4
70,0	80,0	5,0	H 9	9,2
	85,0	7,5	H 9	14,3
75,0	85,0	5,0	H 9	9,9
	90,0	7,5	H 9	15,3
80,0	90,0	5,0	H 9	10,5
	92,0	6,0	H 9	12,7
	95,0	7,5	H 9	16,2
85,0	95,0	5,0	H 9	11,1
	100,0	7,5	H 9	17,1
90,0	100,0	5,0	H 9	11,7
	105,0	7,5	H 9	18,0
95,0	105,0	5,0	H 9	12,3
	110,0	7,5	H 9	18,9
100,0	110,0	5,0	H 9	12,9
	115,0	7,5	H 9	19,9
110,0	125,0	7,5	H 9	21,7
115,0	130,0	7,5	H 9	22,6
125,0	140,0	7,5	H 9	24,5

Imperial unit sizes on request - Misure in pollici su richiesta



Cylinder tubes suitable for honing, skiving and roller burnishing

Tubi trafilati per cilindri atti alla finitura interna



TECHNICAL CHARACTERISTICS *Caratteristiche tecniche*

GRADE
QUALITÀ E355

TREATMENT
TIPOLOGIA DI TRATTAMENTO +SR

SURFACE FINISHING
FINITURA SUPERFICIALE

- **Outside diameter:** smooth as drawn (EN 10305-2)
Diametro esterno: liscio e trafilato sec. EN 10305-2
- **Inside diameter:** with stock allowance (for honing or skiving and roller burnishing)
Diametro interno: con sovrametalli (per levigatura o pelorullatura)

Delivery conditions - *Condizioni di fornitura*

- Standard packaging with strapped bundles, standard weight approx. 1500 kg *Imballo standard in fasci reggiati di peso standard di circa 1500 kg*
- Commercial lengths 5000-8000 mm, custom lengths upon request *Lunghezze commerciali mm 5000-8000, altre lunghezze su richiesta*
- Surface protection *Protezione superficiale*
- Marking: Marcegaglia E355 OD x WT - EN10305-2 +SR - Heath *Marcatura: Marcegaglia E355 DE x SP - EN10305-2 +SR - Colata*

Standard delivery program

Tabelle dimensionali del programma di fornitura standard

CYLINDER TUBES EN 10305-1/2 - E355 +SR

Tubi trafilati per cilindri EN 10305-1/2 - E355 +SR

STOCK ALLOWANCE FOR HONING

Sovrametalli per levigatura

inside diameter mm	wall thickness mm					
	5,0	6,0	7,5	10,0	12,5	15,0
30,0						
35,0						
40,0						
45,0						
50,0						
55,0						
60,0						
63,0						
65,0						
70,0						
75,0						
80,0						
85,0						
90,0						
95,0						
100,0						
105,0						
110,0						
115,0						
120,0						
125,0						
130,0						
135,0						
140,0						
145,0						
150,0						
155,0						
160,0						
165,0						
170,0						
175,0						
180,0						
185,0						
190,0						
195,0						
200,0						

Inside diameter tolerance

 -0,15/-0,30	 -0,30/-0,70
 -0,25/-0,45	 -0,50/-1,00
 -0,25/-0,55	

CYLINDER TUBES EN 10305-1/2 - E355 +SR

Tubi trafilati per cilindri EN 10305-1/2 - E355 +SR

STOCK ALLOWANCE FOR SKIVING AND ROLLER BURNISHING

Sovrametalli per pelatura e rullatura

inside diameter mm	wall thickness mm					
	5,0	6,0	7,5	10,0	12,5	15,0
30,0						
35,0						
40,0						
45,0						
50,0						
55,0						
60,0						
63,0						
65,0						
70,0						
75,0						
80,0						
85,0						
90,0						
95,0						
100,0						
105,0						
110,0						
115,0						
120,0						
125,0						
130,0						
135,0						
140,0						
145,0						
150,0						
155,0						
160,0						
165,0						
170,0						
175,0						
180,0						
185,0						
190,0						
195,0						
200,0						
210,0						
220,0						

Inside diameter tolerance

 -0,30/-0,55	 -0,50/-0,90
 -0,40/-0,70	 -0,60/-1,20
 -0,50/-0,85	

Skived and roller burnished cylinder tubes

Tubi trafilati per cilindri finiti internamente

TECHNICAL CHARACTERISTICS <i>Caratteristiche tecniche</i>	
GRADE <i>QUALITÀ</i>	E355
TREATMENT <i>TIPOLOGIA DI TRATTAMENTO</i>	+SR
SURFACE FINISHING <i>FINITURA SUPERFICIALE</i>	• Outside diameter: smooth as drawn (EN 10305-2) <i>Diametro esterno:</i> liscio e trafilato sec. EN 10305-2 • Inside diameter: roughness Ra < 0.40 μ (average 0.15÷0.35 μ) <i>Diametro interno:</i> rugosità Ra < 0,40 μ (media 0,15÷0,35 μ)
DIMENSIONAL TOLERANCES <i>TOLLERANZE DIMENSIONALI</i>	• Inside diameter: ISO H8 <i>Diametro interno:</i> ISO H8

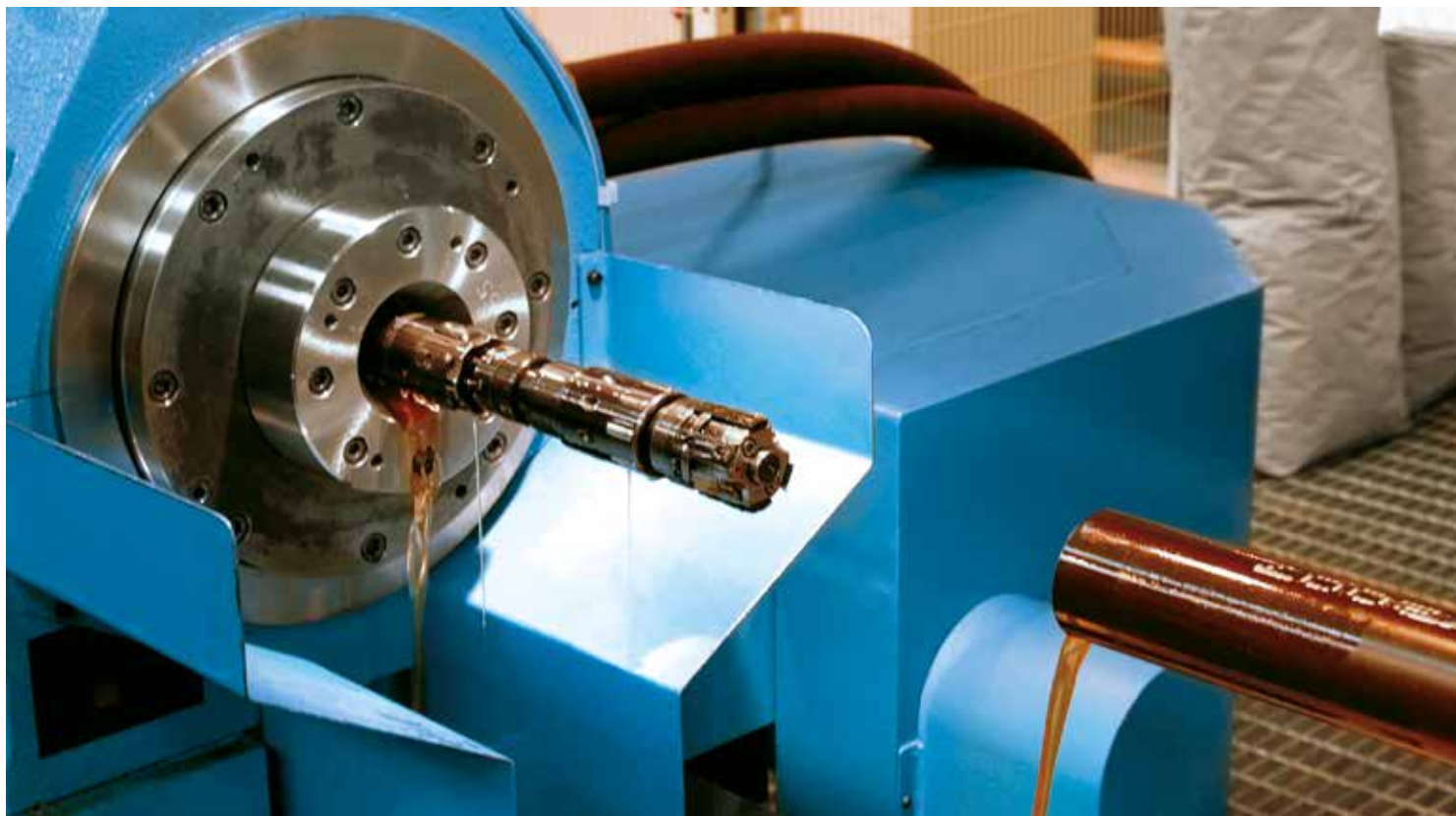
Standard delivery program

Tabelle dimensionali del programma di fornitura standard

SKIVED AND ROLLER BURNISHED CYLINDER TUBES EN 10305-1/2 - E355 +SR <i>Tubi trafilati per cilindri finiti internamente EN 10305-1/2 - E355 +SR</i>				inside Ø mm	outside Ø mm	wall thickness mm	weight kg/m
40,0					50,0	5,0	5,55
					52,0	6,0	6,81
					55,0	7,5	8,79
45,0					55,0	5,0	6,17
					57,0	6,0	7,55
					60,0	7,5	9,71
50,0					60,0	5,0	6,78
					62,0	6,0	8,29
					65,0	7,5	10,63
55,0					65,0	5,0	7,40
					67,0	6,0	9,03
					70,0	7,5	11,56
60,0					70,0	5,0	8,01
					72,0	6,0	9,77
					75,0	7,5	12,48
					80,0	10,0	17,26
63,0					73,0	5,0	8,38
					75,0	6,0	10,21
					78,0	7,5	13,04
					83,0	10,0	18,00
65,0					75,0	5,0	8,63
					77,0	6,0	10,51
					80,0	7,5	13,41
					85,0	10,0	18,50
70,0					80,0	5,0	9,25
					82,0	6,0	11,24
					85,0	7,5	14,33
					90,0	10,0	19,73
75,0					85,0	5,0	9,86
					87,0	6,0	11,98
					90,0	7,5	15,26
					95,0	10,0	20,96
80,0					90,0	5,0	10,48
					92,0	6,0	12,72
					95,0	7,5	16,18
					100,0	10,0	22,19
85,0					95,0	5,0	11,10
					97,0	6,0	13,46
					100,0	7,5	17,11
					105,0	10,0	23,43
90,0					100,0	5,0	11,71
					102,0	6,0	14,20
					105,0	7,5	18,03
					110,0	10,0	24,66
95,0					105,0	5,0	12,33
					107,0	6,0	14,94
					110,0	7,5	18,96
					115,0	10,0	25,89
100,0					110,0	5,0	12,95
					112,0	6,0	15,68
					115,0	7,5	19,88
					120,0	10,0	27,13
105,0					115,0	5,0	13,56
					117,0	6,0	16,42
					120,0	7,5	20,81
					125,0	10,0	28,36
110,0					120,0	5,0	14,18
					122,0	6,0	17,16
					125,0	7,5	21,73
					130,0	10,0	29,59
					135,0	12,5	37,76
					140,0	15,0	46,24
115,0					125,0	5,0	14,80
					127,0	6,0	17,90
					130,0	7,5	22,66
					135,0	10,0	30,83
					140,0	12,5	39,30
					145,0	15,0	48,09
120,0					130,0	5,0	15,41
					132,0	6,0	18,64
					135,0	7,5	23,58
					140,0	10,0	32,06

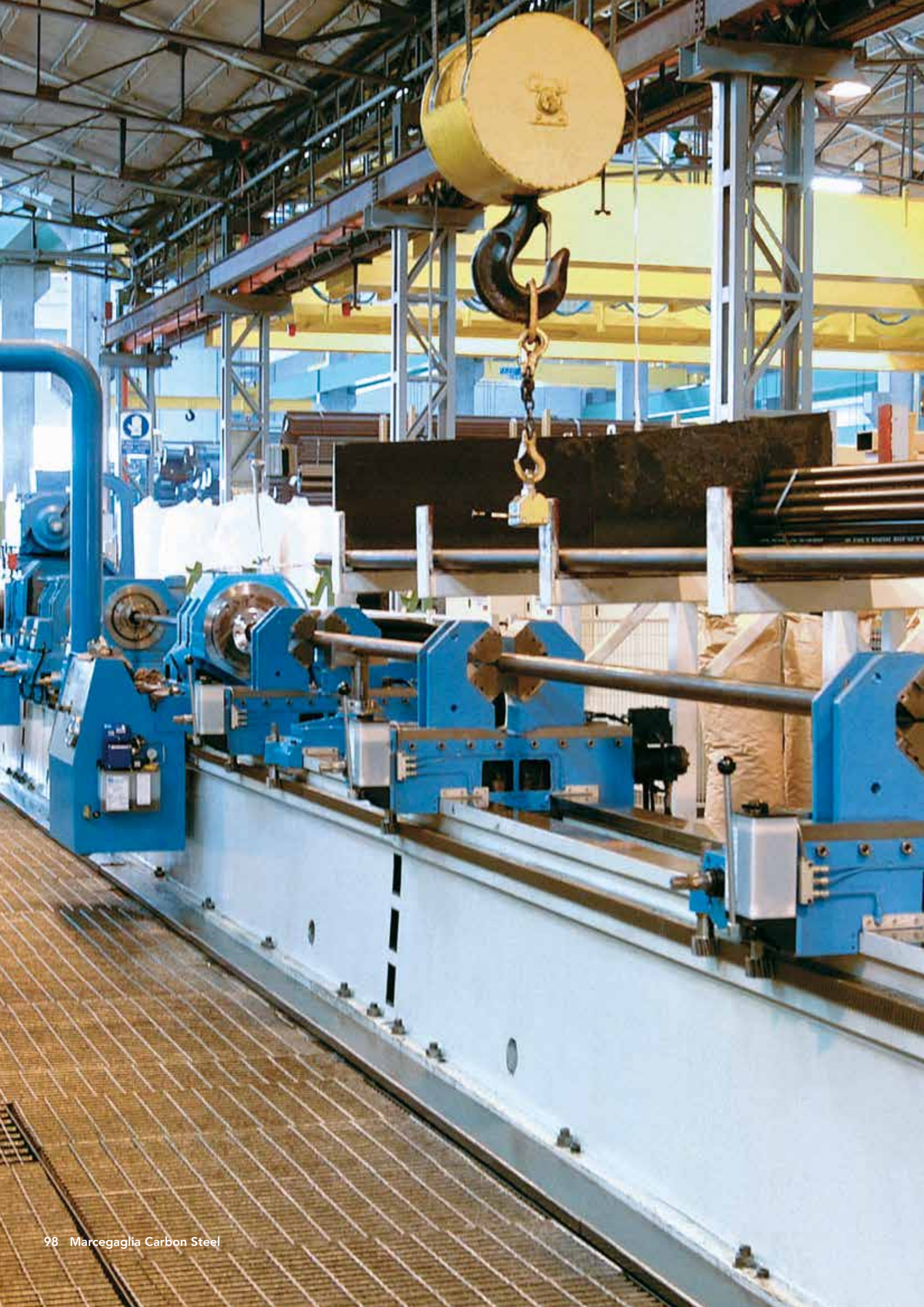
Delivery conditions - Condizioni di fornitura

- Standard packaging with plastic caps and strapped bundles, standard weight approx. 1500 kg
Imballo standard con tappi in plastica alle estremità e in fasci reggiati di peso standard di circa 1500 kg



inside Ø mm	outside Ø mm	wall thickness mm	weight kg/m
120,0	145,0	12,5	40,84
	150,0	15,0	49,94
125,0	135,0	5,0	16,03
	137,0	6,0	19,38
	140,0	7,5	24,51
	145,0	10,0	33,29
	150,0	12,5	42,38
	155,0	15,0	51,79
130,0	140,0	5,0	16,65
	142,0	6,0	20,12
	145,0	7,5	25,43
	150,0	10,0	34,52
	155,0	12,5	43,93
	160,0	15,0	53,64
135,0	145,0	5,0	17,26
	147,0	6,0	20,86
	150,0	7,5	26,36
	155,0	10,0	35,76
	160,0	12,5	45,47
	165,0	15,0	55,49
140,0	150,0	5,0	17,88
140,0	152,0	6,0	21,60
	155,0	7,5	27,28
	160,0	10,0	36,99
	165,0	12,5	47,01
	170,0	15,0	57,33
145,0	155,0	5,0	18,50
	157,0	6,0	22,34
	160,0	7,5	28,20
	165,0	10,0	38,22
	170,0	12,5	48,55
	175,0	15,0	59,18

inside Ø mm	outside Ø mm	wall thickness mm	weight kg/m
150,0	160,0	5,0	19,11
	162,0	6,0	23,08
	165,0	7,5	29,13
	170,0	10,0	39,46
	175,0	12,5	50,09
	180,0	15,0	61,03
160,0	170,0	5,0	20,34
	172,0	6,0	24,56
	175,0	7,5	30,98
	180,0	10,0	41,92
	185,0	12,5	53,17
170,0	190,0	15,0	64,73
	185,0	7,5	32,83
	190,0	10,0	44,39
	195,0	12,5	56,26
180,0	200,0	15,0	68,43
	195,0	7,5	34,68
	200,0	10,0	46,85
	205,0	12,5	59,34
190,0	210,0	15,0	72,13
	205,0	7,5	36,53
	210,0	10,0	49,32
	215,0	12,5	62,42
200,0	220,0	15,0	75,83
	215,0	7,5	38,38
	220,0	10,0	51,79
	225,0	12,5	65,50
	230,0	15,0	79,53





Cold-drawn tubes for telescopic cylinders

Tubi trafilati per cilindri telescopici

TECHNICAL CHARACTERISTICS *Caratteristiche tecniche*

GRADE <i>QUALITÀ</i>	E355
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TREATMENT <i>TIPOLOGIA DI TRATTAMENTO</i>	+SR
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SURFACE FINISHING <i>FINITURA SUPERFICIALE</i>	
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- **Outside diameter:**
smooth as drawn
(EN 10305-2)
Diametro esterno:
liscio e trafilato
sec. EN 10305-2
- **Inside diameter:**
roughness $R_a < 1.6 \mu$
Diametro interno:
rugosità $R_a < 1,6 \mu$

- DIMENSIONS AND SHAPES
DEVELOPED ACCORDING
TO CUSTOMER SPECIFICATIONS
*DIMENSIONI E SAGOME SONO SVILUPPATE
IN CONFORMITÀ AI REQUISITI DEL CLIENTE*
- DIMENSIONAL TOLERANCES UPON
CUSTOMER SPECIFICATIONS
*TOLLERANZE DIMENSIONALI
SECONDO ACCORDI SPECIFICI*



Cold-drawn tubes suitable for chrome plating

Tubi trafilati per steli atti alla cromatura

TECHNICAL CHARACTERISTICS *Caratteristiche tecniche*

GRADE
QUALITÀ E355

TREATMENT
TIPOLOGIA DI TRATTAMENTO +N, +SR

SURFACE FINISHING
FINITURA SUPERFICIALE

- **Outside diameter:** with stock allowance (for subsequent reworking)
Diametro esterno: con sovrametalli (per lavorazione successiva)
- **Inside diameter:** smooth as drawn (EN 10305-2)
Diametro interno: liscio e trafilato sec. EN 10305-2

OUTSIDE DIAMETER TOLERANCE *Tolleranze diametro esterno*

outside diameter mm	wall thickness mm	tolerance (1/100 mm)
20 ÷ 28	2,5 ÷ 4	+0,15 +0,35
30 ÷ 38	3 ÷ 7,5	+0,20 +0,40
40 ÷ 45	4 ÷ 7,5	+0,20 +0,40
50 ÷ 63	4 ÷ 7,5	+0,25 +0,45
65 ÷ 75	5 ÷ 10	+0,25 +0,50
80 ÷ 95	5 ÷ 10	+0,30 +0,60
100 ÷ 115	5 ÷ 12,5	+0,35 +0,70
120 ÷ 130	5 ÷ 12,5	+0,40 +0,80
135 ÷ 140	5 ÷ 15	+0,45 +0,90
145 ÷ 155	6 ÷ 15	+0,45 +0,90
160 ÷ 170	6 ÷ 15	+0,50 +1,00
175 ÷ 185	7,5 ÷ 15	+0,50 +1,00
190 ÷ 200	7,5 ÷ 15	+0,60 +1,20
205 ÷ 220	10 ÷ 15	+0,60 +1,20









NON-STANDARD
PACKAGING
IS DEVELOPED
ACCORDING TO
CUSTOMER REQUEST

*IMBALLI SPECIFICI
SONO STUDIATI E
FORNITI
IN ACCORDO
CON IL CLIENTE*



STANDARD PACKAGING *Imballo standard*

STRAPPED BUNDLES * **FASCI REGGIATI**

Maximum weight 2 tonnes
Peso massimo 2 tonnellate

* Each package is identified for complete tracking

Ciascun pacco è corredato da un cartellino identificativo che ne permette la completa tracciatura

OPTIONS *Opzioni*

- Internal and external oiling, for temporary storage - *Oliatura interna ed esterna per stoccaggio temporaneo*
- Aluminum-plastic foil - *Rivestimento in alluminio plastificato*
- Plastic caps at the ends - *Tappi in plastica alle estremità*
- Special packaging for sea shipments - *Imballo specifico per spedizioni via mare*
- Wood box - *Casse in legno*



Technical norms are referred to in the latest release valid
at the publication date of the present catalogue.
*Le norme citate si riferiscono all'edizione in vigore
alla data di pubblicazione del catalogo.*

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Concept: StudioChiesa



Pursuant to the provisions of Legislative Decree 231 of 8 June 2001, Marcegaglia Carbon Steel s.p.a. now has an "Organization, management and control model" in place, in the belief that this model is a useful awareness-building tool for all the company's directors and employees and all other stakeholders (customers, suppliers, partners and sundry collaborators), so that when they perform their own particular activities they act with integrity and avoid the risk of committing the offences set forth in the Decree. Marcegaglia Carbon Steel s.p.a. has thus put in place a structured and integrated prevention and control system designed to cut down the risk of committing offences linked to the company's business activity, with a focus on preventing and/or combating possible unlawful conduct.

In linea con le prescrizioni del Decreto Legislativo 8 giugno 2001, n°231, Marcegaglia Carbon Steel s.p.a. si è dotata di un "Modello di organizzazione, gestione e controllo", nella convinzione lo stesso sia un valido strumento di sensibilizzazione nei confronti di tutti gli Amministratori e i dipendenti della società e di tutti gli altri soggetti alla medesima cointeressati (clienti, fornitori, partners, collaboratori a diverso titolo), affinché gli stessi, nell'espletamento delle proprie attività, adottino comportamenti corretti e lineari, tali da prevenire il rischio di commissione dei reati contemplati nel Decreto. Marcegaglia Carbon Steel s.p.a., in tale modo, pone in essere un sistema strutturato ed organico di prevenzione e controllo, finalizzato alla riduzione del rischio di commissione dei reati connessi all'attività aziendale, con particolare riguardo alla prevenzione/contrasto di eventuali comportamenti illeciti.

MARCEGAGLIA

CARBON STEEL

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