

TIRAS 5 m	ST. 400	ST. 401	ST. 402	ST. 403	ST. 404	ST. 405	ST. 406	ST. 407	ST. 408	ST. 409	ST. 410	ST. 411	ST. 412	ST. 413	ST. 414	ST. 415	ST. 416	ST. 417	ST. 418	ST. 419	ST. 420	ST. 421
15 x 0,75	1,860	1,882	1,905	1,927	1,950	1,972	1,995	2,017	2,040	2,062	2,085	2,107	2,130	2,153	2,175	2,198	2,220	2,243	2,265	2,288	2,310	2,333
18 x 0,75	2,316	2,343	2,370	2,398	2,425	2,452	2,479	2,507	2,534	2,561	2,589	2,616	2,643	2,671	2,698	2,725	2,752	2,780	2,807	2,834	2,862	2,889
8 x 1	1,325	1,339	1,354	1,368	1,383	1,397	1,411	1,426	1,440	1,454	1,469	1,483	1,498	1,512	1,526	1,541	1,555	1,569	1,584	1,598	1,612	1,627
10 x 1	1,630	1,650	1,669	1,688	1,707	1,726	1,745	1,764	1,783	1,802	1,821	1,840	1,859	1,878	1,897	1,916	1,935	1,954	1,973	1,992	2,011	2,030
12 x 1	1,831	1,854	1,877	1,899	1,922	1,945	1,967	1,990	2,012	2,035	2,058	2,080	2,103	2,126	2,148	2,171	2,193	2,216	2,239	2,261	2,284	2,306
14 x 1	2,312	2,339	2,365	2,392	2,419	2,445	2,472	2,499	2,525	2,552	2,579	2,605	2,632	2,659	2,685	2,712	2,739	2,765	2,792	2,819	2,845	2,872
15 x 1	2,103	2,132	2,161	2,189	2,218	2,247	2,275	2,304	2,333	2,362	2,390	2,419	2,448	2,477	2,505	2,534	2,563	2,591	2,620	2,649	2,678	2,706
16 x 1	2,670	2,701	2,731	2,762	2,793	2,824	2,855	2,885	2,916	2,947	2,978	3,009	3,039	3,070	3,101	3,132	3,163	3,193	3,224	3,255	3,286	3,316
18 x 1	2,626	2,661	2,695	2,729	2,763	2,797	2,831	2,865	2,899	2,934	2,968	3,002	3,036	3,070	3,104	3,138	3,172	3,207	3,241	3,275	3,309	3,343
22 x 1	3,169	3,211	3,253	3,296	3,338	3,380	3,422	3,464	3,506	3,548	3,591	3,633	3,675	3,717	3,759	3,801	3,843	3,886	3,928	3,970	4,012	4,054
28 x 1	4,336	4,390	4,444	4,498	4,552	4,606	4,660	4,714	4,769	4,823	4,877	4,931	4,985	5,039	5,093	5,147	5,202	5,256	5,310	5,364	5,418	5,472
35 x 1	5,877	5,945	6,013	6,081	6,149	6,217	6,285	6,353	6,421	6,489	6,558	6,626	6,694	6,762	6,830	6,898	6,966	7,034	7,102	7,170	7,239	7,307
42 x 1	7,271	7,353	7,435	7,517	7,599	7,681	7,763	7,845	7,927	8,009	8,091	8,174	8,256	8,338	8,420	8,502	8,584	8,666	8,748	8,830	8,912	8,994
54 x 1,2	11,223	11,350	11,476	11,603	11,730	11,857	11,984	12,111	12,237	12,364	12,491	12,618	12,745	12,871	12,998	13,125	13,252	13,379	13,506	13,632	13,759	13,886
15 x 1,5	3,494	3,535	3,576	3,616	3,657	3,698	3,739	3,780	3,821	3,862	3,903	3,943	3,984	4,025	4,066	4,107	4,148	4,189	4,230	4,270	4,311	4,352
18 x 1,5	4,502	4,552	4,601	4,651	4,701	4,751	4,801	4,851	4,900	4,950	5,000	5,050	5,100	5,150	5,199	5,249	5,299	5,349	5,399	5,449	5,498	5,548
22 x 1,5	5,583	5,645	5,706	5,768	5,830	5,892	5,954	6,016	6,077	6,139	6,201	6,263	6,325	6,387	6,448	6,510	6,572	6,634	6,696	6,758	6,819	6,881
28 x 1,5	7,307	7,387	7,467	7,547	7,626	7,706	7,786	7,866	7,946	8,026	8,105	8,185	8,265	8,345	8,425	8,505	8,585	8,664	8,744	8,824	8,904	8,984
35 x 1,5	9,388	9,489	9,590	9,690	9,791	9,892	9,993	10,093	10,194	10,295	10,396	10,497	10,597	10,698	10,799	10,900	11,001	11,101	11,202	11,303	11,404	11,505
42 x 1,5	11,093	11,215	11,337	11,459	11,580	11,702	11,824	11,946	12,067	12,189	12,311	12,433	12,554	12,676	12,798	12,920	13,041	13,163	13,285	13,407	13,528	13,650
54 x 1,5	14,369	14,527	14,685	14,843	15,000	15,158	15,316	15,473	15,631	15,789	15,946	16,104	16,262	16,420	16,577	16,735	16,893	17,050	17,208	17,366	17,523	17,681
64 x 1,5	19,492	19,692	19,892	20,092	20,292	20,492	20,692	20,892	21,092	21,292	21,491	21,691	21,891	22,091	22,291	22,491	22,691	22,891	23,091	23,291	23,491	23,691
76,1 x 1,5	24,143	24,390	24,638	24,886	25,133	25,381	25,629	25,876	26,124	26,371	26,619	26,867	27,114	27,362	27,610	27,857	28,105	28,352	28,600	28,848	29,095	29,343
TIRAS 2,5 m	ST. 400	ST. 401	ST. 402	ST. 403	ST. 404	ST. 405	ST. 406	ST. 407	ST. 408	ST. 409	ST. 410	ST. 411	ST. 412	ST. 413	ST. 414	ST. 415	ST. 416	ST. 417	ST. 418	ST. 419	ST. 420	ST. 421
15 x 1	2,138	2,166	2,195	2,224	2,252	2,281	2,310	2,339	2,367	2,396	2,425	2,454	2,482	2,511	2,540	2,568	2,597	2,626	2,655	2,683	2,712	2,741
18 x 1	2,715	2,749	2,783	2,818	2,852	2,886	2,920	2,954	2,988	3,022	3,056	3,091	3,125	3,159	3,193	3,227	3,261	3,295	3,329	3,364	3,398	3,432
22 x 1	3,262	3,304	3,346	3,388	3,430	3,473	3,515	3,557	3,599	3,641	3,683	3,725	3,768	3,810	3,852	3,894	3,936	3,978	4,020	4,063	4,105	4,147
ROLLOS 25/50 m	ST. 400	ST. 401	ST. 402	ST. 403	ST. 404	ST. 405	ST. 406	ST. 407	ST. 408	ST. 409	ST. 410	ST. 411	ST. 412	ST. 413	ST. 414	ST. 415	ST. 416	ST. 417	ST. 418	ST. 419	ST. 420	ST. 421
6 x 1 R	1,052	1,063	1,073	1,083	1,094	1,104	1,115	1,125	1,135	1,146	1,156	1,167	1,177	1,187	1,198	1,208	1,219	1,229	1,239	1,250	1,260	1,270
8 x 1 R	1,409	1,423	1,438	1,452	1,466	1,481	1,495	1,510	1,524	1,538	1,553	1,567	1,581	1,596	1,610	1,625	1,639	1,653	1,668	1,682	1,696	1,711
10 x 1 R	1,719	1,738	1,757	1,776	1,795	1,814	1,833	1,852	1,871	1,890	1,909	1,928	1,947	1,966	1,985	2,004	2,023	2,043	2,062	2,081	2,100	2,119
12 x 1 R	1,995	2,017	2,040	2,062	2,085	2,108	2,130	2,153	2,176	2,198	2,221	2,243	2,266	2,289	2,311	2,334	2,357	2,379	2,402	2,424	2,447	2,470
14 x 1 R	2,292	2,318	2,345	2,372	2,398	2,425	2,452	2,478	2,505	2,532	2,558	2,585	2,612	2,638	2,665	2,692	2,718	2,745	2,772	2,798	2,825	2,852
15 x 1 R	2,294	2,323	2,352	2,381	2,409	2,438	2,467	2,496	2,524	2,553	2,582	2,610	2,639	2,668	2,697	2,725	2,754	2,783	2,812	2,840	2,869	2,898
16 x 1 R	2,670	2,701	2,731	2,762	2,793	2,824	2,855	2,885	2,916	2,947	2,978	3,009	3,039	3,070	3,101	3,132	3,163	3,193	3,224	3,255	3,286	3,316
18 x 1 R	2,911	2,945	2,980	3,014	3,048	3,082	3,116	3,150	3,184	3,218	3,253	3,287	3,321	3,355	3,389	3,423	3,457	3,491	3,526	3,560	3,594	3,628
22 x 1 R	3,563	3,605	3,648	3,690	3,732	3,774	3,816	3,858	3,900	3,943	3,985	4,027	4,069	4,111	4,153	4,195	4,238	4,280	4,322	4,364	4,406	4,448
15 x 1,5 R	3,688	3,729	3,770	3,811	3,852	3,893	3,934	3,974	4,015	4,056	4,097	4,138	4,179	4,220	4,261	4,301	4,342	4,383	4,424	4,465	4,506	4,547
18 x 1,5 R	4,736	4,786	4,836	4,885	4,935	4,985	5,035	5,085	5,135	5,184	5,234	5,284	5,334	5,384	5,434	5,484	5,533	5,583	5,633	5,683	5,733	5,783
22 x 1,5 R	5,753	5,815	5,877	5,939	6,001	6,063	6,124	6,186	6,248	6,310	6,372	6,434	6,495	6,557	6,619	6,681	6,743	6,805	6,866	6,928	6,990	7,052

TIRAS 5 m	ST. 422	ST. 423	ST. 424	ST. 425	ST. 426	ST. 427	ST. 428	ST. 429	ST. 430	ST. 431	ST. 432	ST. 433	ST. 434	ST. 435	ST. 436	ST. 437	ST. 438	ST. 439	ST. 440	ST. 441	ST. 442	ST. 443
15 x 0,75	2,355	2,378	2,400	2,423	2,446	2,468	2,491	2,513	2,536	2,558	2,581	2,603	2,626	2,648	2,671	2,693	2,716	2,739	2,761	2,784	2,806	2,829
18 x 0,75	2,916	2,944	2,971	2,998	3,025	3,053	3,080	3,107	3,135	3,162	3,189	3,217	3,244	3,271	3,298	3,326	3,353	3,380	3,408	3,435	3,462	3,490
8 x 1	1,641	1,656	1,670	1,684	1,699	1,713	1,727	1,742	1,756	1,770	1,785	1,799	1,814	1,828	1,842	1,857	1,871	1,885	1,900	1,914	1,928	1,943
10 x 1	2,050	2,069	2,088	2,107	2,126	2,145	2,164	2,183	2,202	2,221	2,240	2,259	2,278	2,297	2,316	2,335	2,354	2,373	2,392	2,411	2,430	2,450
12 x 1	2,329	2,352	2,374	2,397	2,420	2,442	2,465	2,487	2,510	2,533	2,555	2,578	2,601	2,623	2,646	2,668	2,691	2,714	2,736	2,759	2,781	2,804
14 x 1	2,899	2,925	2,952	2,979	3,005	3,032	3,059	3,085	3,112	3,139	3,165	3,192	3,219	3,245	3,272	3,299	3,325	3,352	3,379	3,405	3,432	3,459
15 x 1	2,735	2,764	2,793	2,821	2,850	2,879	2,907	2,936	2,965	2,994	3,022	3,051	3,080	3,109	3,137	3,166	3,195	3,224	3,252	3,281	3,310	3,338
16 x 1	3,347	3,378	3,409	3,440	3,470	3,501	3,532	3,563	3,594	3,624	3,655	3,686	3,717	3,748	3,778	3,809	3,840	3,871	3,902	3,932	3,963	3,994
18 x 1	3,377	3,411	3,445	3,480	3,514	3,548	3,582	3,616	3,650	3,684	3,718	3,753	3,787	3,821	3,855	3,889	3,923	3,957	3,991	4,026	4,060	4,094
22 x 1	4,096	4,138	4,181	4,223	4,265	4,307	4,349	4,391	4,433	4,476	4,518	4,560	4,602	4,644	4,686	4,728	4,771	4,813	4,855	4,897	4,939	4,981
28 x 1	5,526	5,580	5,635	5,689	5,743	5,797	5,851	5,905	5,959	6,014	6,068	6,122	6,176	6,230	6,284	6,338	6,392	6,447	6,501	6,555	6,609	6,663
35 x 1	7,375	7,443	7,511	7,579	7,647	7,715	7,783	7,851	7,919	7,988	8,056	8,124	8,192	8,260	8,328	8,396	8,464	8,532	8,600	8,669	8,737	8,805
42 x 1	9,076	9,158	9,240	9,322	9,404	9,487	9,569	9,651	9,733	9,815	9,897	9,979	10,061	10,143	10,225	10,307	10,389	10,471	10,553	10,635	10,717	10,800
54 x 1,2	14,013	14,140	14,267	14,393	14,520	14,647	14,774	14,901	15,028	15,154	15,281	15,408	15,535	15,662	15,788	15,915	16,042	16,169	16,296	16,423	16,549	16,676
15 x 1,5	4,393	4,434	4,475	4,516	4,557	4,597	4,638	4,679	4,720	4,761	4,802	4,843	4,884	4,924	4,965	5,006	5,047	5,088	5,129	5,170	5,210	5,251
18 x 1,5	5,598	5,648	5,698	5,748	5,798	5,847	5,897	5,947	5,997	6,047	6,097	6,146	6,196	6,246	6,296	6,346	6,396	6,445	6,495	6,545	6,595	6,645
22 x 1,5	6,943	7,005	7,067	7,128	7,190	7,252	7,314	7,376	7,438	7,499	7,561	7,623	7,685	7,747	7,809	7,870	7,932	7,994	8,056	8,118	8,180	8,241
28 x 1,5	9,064	9,143	9,223	9,303	9,383	9,463	9,543	9,622	9,702	9,782	9,862	9,942	10,022	10,102	10,181	10,261	10,341	10,421	10,501	10,581	10,660	10,740
35 x 1,5	11,605	11,706	11,807	11,908	12,009	12,109	12,210	12,311	12,412	12,513	12,613	12,714	12,815	12,916	13,016	13,117	13,218	13,319	13,420	13,520	13,621	13,722
42 x 1,5	13,772	13,894	14,015	14,137	14,259	14,381	14,502	14,624	14,746	14,868	14,989	15,111	15,233	15,355	15,476	15,598	15,720	15,842	15,963	16,085	16,207	16,329
54 x 1,5	17,839	17,997	18,154	18,312	18,470	18,627	18,785	18,943	19,100	19,258	19,416	19,574	19,731	19,889	20,047	20,204	20,362	20,520	20,677	20,835	20,993	21,151
64 x 1,5	23,891	24,090	24,290	24,490	24,690	24,890	25,090	25,290	25,490	25,690	25,890	26,090	26,290	26,489	26,689	26,889	27,089	27,289	27,489	27,689	27,889	28,089
76,1 x 1,5	29,590	29,838	30,086	30,333	30,581	30,829	31,076	31,324	31,571	31,819	32,067	32,314	32,562	32,810	33,057	33,305	33,552	33,800	34,048	34,295	34,543	34,790
TIRAS 2,5 m	ST. 422	ST. 423	ST. 424	ST. 425	ST. 426	ST. 427	ST. 428	ST. 429	ST. 430	ST. 431	ST. 432	ST. 433	ST. 434	ST. 435	ST. 436	ST. 437	ST. 438	ST. 439	ST. 440	ST. 441	ST. 442	ST. 443
15 x 1	2,770	2,798	2,827	2,856	2,885	2,913	2,942	2,971	2,999	3,028	3,057	3,086	3,114	3,143	3,172	3,201	3,229	3,258	3,287	3,315	3,344	3,373
18 x 1	3,466	3,500	3,534	3,568	3,602	3,637	3,671	3,705	3,739	3,773	3,807	3,841	3,875	3,910	3,944	3,978	4,012	4,046	4,080	4,114	4,148	4,183
22 x 1	4,189	4,231	4,273	4,315	4,358	4,400	4,442	4,484	4,526	4,568	4,610	4,653	4,695	4,737	4,779	4,821	4,863	4,905	4,948	4,990	5,032	5,074
ROLLOS 25/50 m	ST. 422	ST. 423	ST. 424	ST. 425	ST. 426	ST. 427	ST. 428	ST. 429	ST. 430	ST. 431	ST. 432	ST. 433	ST. 434	ST. 435	ST. 436	ST. 437	ST. 438	ST. 439	ST. 440	ST. 441	ST. 442	ST. 443
6 x 1 R	1,281	1,291	1,302	1,312	1,322	1,333	1,343	1,354	1,364	1,374	1,385	1,395	1,406	1,416	1,426	1,437	1,447	1,458	1,468	1,478	1,489	1,499
8 x 1 R	1,725	1,739	1,754	1,768	1,783	1,797	1,811	1,826	1,840	1,854	1,869	1,883	1,897	1,912	1,926	1,941	1,955	1,969	1,984	1,998	2,012	2,027
10 x 1 R	2,138	2,157	2,176	2,195	2,214	2,233	2,252	2,271	2,290	2,309	2,328	2,347	2,366	2,385	2,404	2,423	2,443	2,462	2,481	2,500	2,519	2,538
12 x 1 R	2,492	2,515	2,537	2,560	2,583	2,605	2,628	2,651	2,673	2,696	2,718	2,741	2,764	2,786	2,809	2,832	2,854	2,877	2,899	2,922	2,945	2,967
14 x 1 R	2,878	2,905	2,932	2,958	2,985	3,012	3,038	3,065	3,092	3,118	3,145	3,172	3,198	3,225	3,252	3,278	3,305	3,332	3,358	3,385	3,412	3,438
15 x 1 R	2,926	2,955	2,984	3,013	3,041	3,070	3,099	3,128	3,156	3,185	3,214	3,242	3,271	3,300	3,329	3,357	3,386	3,415	3,444	3,472	3,501	3,530
16 x 1 R	3,347	3,378	3,409	3,440	3,470	3,501	3,532	3,563	3,594	3,624	3,655	3,686	3,717	3,748	3,778	3,809	3,840	3,871	3,902	3,932	3,963	3,994
18 x 1 R	3,662	3,696	3,730	3,765	3,799	3,833	3,867	3,901	3,935	3,969	4,003	4,038	4,072	4,106	4,140	4,174	4,208	4,242	4,276	4,311	4,345	4,379
22 x 1 R	4,490	4,533	4,575	4,617	4,659	4,701	4,743	4,785	4,828	4,870	4,912	4,954	4,996	5,038	5,080	5,123	5,165	5,207	5,249	5,291	5,333	5,375
15 x 1,5 R	4,588	4,628	4,669	4,710	4,751	4,792	4,833	4,874	4,915	4,955	4,996	5,037	5,078	5,119	5,160	5,201	5,242	5,282	5,323	5,364	5,405	5,446
18 x 1,5 R	5,832	5,882	5,932	5,982	6,032	6,082	6,131	6,181	6,231	6,281	6,331	6,381	6,431	6,480	6,530	6,580	6,630	6,680	6,730	6,779	6,829	6,879
22 x 1,5 R	7,114	7,175	7,237	7,299	7,361	7,423	7,485	7,546	7,608	7,670	7,732	7,794	7,856	7,917	7,979	8,041	8,103	8,165	8,226	8,288	8,350	8,412

TIRAS 5 m	ST. 444	ST. 445	ST. 446	ST. 447	ST. 448	ST. 449	ST. 450	ST. 451	ST. 452	ST. 453	ST. 454	ST. 455	ST. 456	ST. 457	ST. 458	ST. 459	ST. 460	ST. 461	ST. 462	ST. 463	ST. 464	ST. 465
15 x 0,75	2,851	2,874	2,896	2,919	2,941	2,964	2,987	3,009	3,032	3,054	3,077	3,099	3,122	3,144	3,167	3,189	3,212	3,234	3,257	3,280	3,302	3,325
18 x 0,75	3,517	3,544	3,571	3,599	3,626	3,653	3,681	3,708	3,735	3,763	3,790	3,817	3,845	3,872	3,899	3,926	3,954	3,981	4,008	4,036	4,063	4,090
8 x 1	1,957	1,972	1,986	2,000	2,015	2,029	2,043	2,058	2,072	2,086	2,101	2,115	2,130	2,144	2,158	2,173	2,187	2,201	2,216	2,230	2,244	2,259
10 x 1	2,469	2,488	2,507	2,526	2,545	2,564	2,583	2,602	2,621	2,640	2,659	2,678	2,697	2,716	2,735	2,754	2,773	2,792	2,811	2,830	2,850	2,869
12 x 1	2,827	2,849	2,872	2,895	2,917	2,940	2,962	2,985	3,008	3,030	3,053	3,076	3,098	3,121	3,143	3,166	3,189	3,211	3,234	3,256	3,279	3,302
14 x 1	3,485	3,512	3,539	3,565	3,592	3,619	3,645	3,672	3,699	3,725	3,752	3,779	3,805	3,832	3,859	3,885	3,912	3,939	3,965	3,992	4,019	4,045
15 x 1	3,367	3,396	3,425	3,453	3,482	3,511	3,540	3,568	3,597	3,626	3,654	3,683	3,712	3,741	3,769	3,798	3,827	3,856	3,884	3,913	3,942	3,971
16 x 1	4,025	4,056	4,086	4,117	4,148	4,179	4,209	4,240	4,271	4,302	4,333	4,363	4,394	4,425	4,456	4,487	4,517	4,548	4,579	4,610	4,641	4,671
18 x 1	4,128	4,162	4,196	4,230	4,265	4,299	4,333	4,367	4,401	4,435	4,469	4,503	4,538	4,572	4,606	4,640	4,674	4,708	4,742	4,776	4,811	4,845
22 x 1	5,023	5,066	5,108	5,150	5,192	5,234	5,276	5,318	5,361	5,403	5,445	5,487	5,529	5,571	5,613	5,656	5,698	5,740	5,782	5,824	5,866	5,908
28 x 1	6,717	6,771	6,825	6,880	6,934	6,988	7,042	7,096	7,150	7,204	7,258	7,313	7,367	7,421	7,475	7,529	7,583	7,637	7,691	7,746	7,800	7,854
35 x 1	8,873	8,941	9,009	9,077	9,145	9,213	9,281	9,349	9,418	9,486	9,554	9,622	9,690	9,758	9,826	9,894	9,962	10,030	10,099	10,167	10,235	10,303
42 x 1	10,882	10,964	11,046	11,128	11,210	11,292	11,374	11,456	11,538	11,620	11,702	11,784	11,866	11,948	12,031	12,113	12,195	12,277	12,359	12,441	12,523	12,605
54 x 1,2	16,803	16,930	17,057	17,184	17,310	17,437	17,564	17,691	17,818	17,944	18,071	18,198	18,325	18,452	18,579	18,705	18,832	18,959	19,086	19,213	19,340	19,466
15 x 1,5	5,292	5,333	5,374	5,415	5,456	5,497	5,537	5,578	5,619	5,660	5,701	5,742	5,783	5,824	5,864	5,905	5,946	5,987	6,028	6,069	6,110	6,151
18 x 1,5	6,695	6,745	6,794	6,844	6,894	6,944	6,994	7,044	7,093	7,143	7,193	7,243	7,293	7,343	7,392	7,442	7,492	7,542	7,592	7,642	7,692	7,741
22 x 1,5	8,303	8,365	8,427	8,489	8,550	8,612	8,674	8,736	8,798	8,860	8,921	8,983	9,045	9,107	9,169	9,231	9,292	9,354	9,416	9,478	9,540	9,601
28 x 1,5	10,820	10,900	10,980	11,060	11,139	11,219	11,299	11,379	11,459	11,539	11,619	11,698	11,778	11,858	11,938	12,018	12,098	12,177	12,257	12,337	12,417	12,497
35 x 1,5	13,823	13,924	14,024	14,125	14,226	14,327	14,428	14,528	14,629	14,730	14,831	14,932	15,032	15,133	15,234	15,335	15,436	15,536	15,637	15,738	15,839	15,940
42 x 1,5	16,450	16,572	16,694	16,816	16,937	17,059	17,181	17,303	17,424	17,546	17,668	17,790	17,911	18,033	18,155	18,277	18,398	18,520	18,642	18,763	18,885	19,007
54 x 1,5	21,308	21,466	21,624	21,781	21,939	22,097	22,254	22,412	22,570	22,727	22,885	23,043	23,201	23,358	23,516	23,674	23,831	23,989	24,147	24,304	24,462	24,620
64 x 1,5	28,289	28,489	28,689	28,889	29,088	29,288	29,488	29,688	29,888	30,088	30,288	30,488	30,688	30,888	31,088	31,288	31,487	31,687	31,887	32,087	32,287	32,487
76,1 x 1,5	35,038	35,286	35,533	35,781	36,029	36,276	36,524	36,771	37,019	37,267	37,514	37,762	38,010	38,257	38,505	38,752	39,000	39,248	39,495	39,743	39,990	40,238

TIRAS 2,5 m	ST. 444	ST. 445	ST. 446	ST. 447	ST. 448	ST. 449	ST. 450	ST. 451	ST. 452	ST. 453	ST. 454	ST. 455	ST. 456	ST. 457	ST. 458	ST. 459	ST. 460	ST. 461	ST. 462	ST. 463	ST. 464	ST. 465
15 x 1	3,402	3,430	3,459	3,488	3,517	3,545	3,574	3,603	3,631	3,660	3,689	3,718	3,746	3,775	3,804	3,833	3,861	3,890	3,919	3,948	3,976	4,005
18 x 1	4,217	4,251	4,285	4,319	4,353	4,387	4,421	4,456	4,490	4,524	4,558	4,592	4,626	4,660	4,695	4,729	4,763	4,797	4,831	4,865	4,899	4,933
22 x 1	5,116	5,158	5,200	5,243	5,285	5,327	5,369	5,411	5,453	5,495	5,538	5,580	5,622	5,664	5,706	5,748	5,790	5,833	5,875	5,917	5,959	6,001

ROLLOS 25/50 m	ST. 444	ST. 445	ST. 446	ST. 447	ST. 448	ST. 449	ST. 450	ST. 451	ST. 452	ST. 453	ST. 454	ST. 455	ST. 456	ST. 457	ST. 458	ST. 459	ST. 460	ST. 461	ST. 462	ST. 463	ST. 464	ST. 465
6 x 1 R	1,510	1,520	1,530	1,541	1,551	1,562	1,572	1,582	1,593	1,603	1,614	1,624	1,634	1,645	1,655	1,666	1,676	1,686	1,697	1,707	1,718	1,728
8 x 1 R	2,041	2,055	2,070	2,084	2,099	2,113	2,127	2,142	2,156	2,170	2,185	2,199	2,213	2,228	2,242	2,257	2,271	2,285	2,300	2,314	2,328	2,343
10 x 1 R	2,557	2,576	2,595	2,614	2,633	2,652	2,671	2,690	2,709	2,728	2,747	2,766	2,785	2,804	2,823	2,843	2,862	2,881	2,900	2,919	2,938	2,957
12 x 1 R	2,990	3,012	3,035	3,058	3,080	3,103	3,126	3,148	3,171	3,193	3,216	3,239	3,261	3,284	3,307	3,329	3,352	3,374	3,397	3,420	3,442	3,465
14 x 1 R	3,465	3,492	3,518	3,545	3,572	3,598	3,625	3,652	3,678	3,705	3,732	3,758	3,785	3,812	3,838	3,865	3,892	3,918	3,945	3,972	3,998	4,025
15 x 1 R	3,559	3,587	3,616	3,645	3,673	3,702	3,731	3,760	3,788	3,817	3,846	3,875	3,903	3,932	3,961	3,989	4,018	4,047	4,076	4,104	4,133	4,162
16 x 1 R	4,025	4,056	4,086	4,117	4,148	4,179	4,209	4,240	4,271	4,302	4,333	4,363	4,394	4,425	4,456	4,487	4,517	4,548	4,579	4,610	4,641	4,671
18 x 1 R	4,413	4,447	4,481	4,515	4,549	4,584	4,618	4,652	4,686	4,720	4,754	4,788	4,822	4,857	4,891	4,925	4,959	4,993	5,027	5,061	5,095	5,130
22 x 1 R	5,418	5,460	5,502	5,544	5,586	5,628	5,670	5,713	5,755	5,797	5,839	5,881	5,923	5,965	6,008	6,050	6,092	6,134	6,176	6,218	6,260	6,303
15 x 1,5 R	5,487	5,528	5,569	5,609	5,650	5,691	5,732	5,773	5,814	5,855	5,896	5,936	5,977	6,018	6,059	6,100	6,141	6,182	6,223	6,263	6,304	6,345
18 x 1,5 R	6,929	6,979	7,029	7,078	7,128	7,178	7,228	7,278	7,328	7,378	7,427	7,477	7,527	7,577	7,627	7,677	7,726	7,776	7,826	7,876	7,926	7,976
22 x 1,5 R	8,474	8,536	8,597	8,659	8,721	8,783	8,845	8,907	8,968	9,030	9,092	9,154	9,216	9,278	9,339	9,401	9,463	9,525	9,587	9,648	9,710	9,772

TIRAS 5 m	ST. 466	ST. 467	ST. 468	ST. 469	ST. 470	ST. 471	ST. 472	ST. 473	ST. 474	ST. 475	ST. 476	ST. 477	ST. 478	ST. 479	ST. 480	ST. 481	ST. 482	ST. 483	ST. 484
15 x 0,75	3,347	3,370	3,392	3,415	3,437	3,460	3,482	3,505	3,527	3,550	3,573	3,595	3,618	3,640	3,663	3,685	3,708	3,730	3,753
18 x 0,75	4,118	4,145	4,172	4,199	4,227	4,254	4,281	4,309	4,336	4,363	4,391	4,418	4,445	4,472	4,500	4,527	4,554	4,582	4,609
8 x 1	2,273	2,288	2,302	2,316	2,331	2,345	2,359	2,374	2,388	2,403	2,417	2,431	2,446	2,460	2,474	2,489	2,503	2,517	2,532
10 x 1	2,888	2,907	2,926	2,945	2,964	2,983	3,002	3,021	3,040	3,059	3,078	3,097	3,116	3,135	3,154	3,173	3,192	3,211	3,230
12 x 1	3,324	3,347	3,370	3,392	3,415	3,437	3,460	3,483	3,505	3,528	3,551	3,573	3,596	3,618	3,641	3,664	3,686	3,709	3,731
14 x 1	4,072	4,099	4,125	4,152	4,179	4,205	4,232	4,259	4,285	4,312	4,339	4,365	4,392	4,419	4,445	4,472	4,499	4,525	4,552
15 x 1	3,999	4,028	4,057	4,085	4,114	4,143	4,172	4,200	4,229	4,258	4,287	4,315	4,344	4,373	4,401	4,430	4,459	4,488	4,516
16 x 1	4,702	4,733	4,764	4,795	4,825	4,856	4,887	4,918	4,949	4,979	5,010	5,041	5,072	5,103	5,133	5,164	5,195	5,226	5,256
18 x 1	4,879	4,913	4,947	4,981	5,015	5,049	5,084	5,118	5,152	5,186	5,220	5,254	5,288	5,322	5,357	5,391	5,425	5,459	5,493
22 x 1	5,951	5,993	6,035	6,077	6,119	6,161	6,203	6,246	6,288	6,330	6,372	6,414	6,456	6,498	6,541	6,583	6,625	6,667	6,709
28 x 1	7,908	7,962	8,016	8,070	8,124	8,179	8,233	8,287	8,341	8,395	8,449	8,503	8,557	8,612	8,666	8,720	8,774	8,828	8,882
35 x 1	10,371	10,439	10,507	10,575	10,643	10,711	10,779	10,848	10,916	10,984	11,052	11,120	11,188	11,256	11,324	11,392	11,460	11,529	11,597
42 x 1	12,687	12,769	12,851	12,933	13,015	13,097	13,179	13,261	13,344	13,426	13,508	13,590	13,672	13,754	13,836	13,918	14,000	14,082	14,164
54 x 1,2	19,593	19,720	19,847	19,974	20,101	20,227	20,354	20,481	20,608	20,735	20,861	20,988	21,115	21,242	21,369	21,496	21,622	21,749	21,876
15 x 1,5	6,191	6,232	6,273	6,314	6,355	6,396	6,437	6,478	6,518	6,559	6,600	6,641	6,682	6,723	6,764	6,805	6,845	6,886	6,927
18 x 1,5	7,791	7,841	7,891	7,941	7,991	8,040	8,090	8,140	8,190	8,240	8,290	8,339	8,389	8,439	8,489	8,539	8,589	8,638	8,688
22 x 1,5	9,663	9,725	9,787	9,849	9,911	9,972	10,034	10,096	10,158	10,220	10,282	10,343	10,405	10,467	10,529	10,591	10,653	10,714	10,776
28 x 1,5	12,577	12,656	12,736	12,816	12,896	12,976	13,056	13,135	13,215	13,295	13,375	13,455	13,535	13,615	13,694	13,774	13,854	13,934	14,014
35 x 1,5	16,040	16,141	16,242	16,343	16,443	16,544	16,645	16,746	16,847	16,947	17,048	17,149	17,250	17,351	17,451	17,552	17,653	17,754	17,855
42 x 1,5	19,129	19,250	19,372	19,494	19,616	19,737	19,859	19,981	20,103	20,224	20,346	20,468	20,590	20,711	20,833	20,955	21,077	21,198	21,320
54 x 1,5	24,778	24,935	25,093	25,251	25,408	25,566	25,724	25,881	26,039	26,197	26,355	26,512	26,670	26,828	26,985	27,143	27,301	27,458	27,616
64 x 1,5	32,687	32,887	33,087	33,287	33,487	33,687	33,887	34,086	34,286	34,486	34,686	34,886	35,086	35,286	35,486	35,686	35,886	36,086	36,286
76,1 x 1,5	40,486	40,733	40,981	41,229	41,476	41,724	41,971	42,219	42,467	42,714	42,962	43,210	43,457	43,705	43,952	44,200	44,448	44,695	44,943

TIRAS 2,5 m	ST. 466	ST. 467	ST. 468	ST. 469	ST. 470	ST. 471	ST. 472	ST. 473	ST. 474	ST. 475	ST. 476	ST. 477	ST. 478	ST. 479	ST. 480	ST. 481	ST. 482	ST. 483	ST. 484
15 x 1	4,034	4,062	4,091	4,120	4,149	4,177	4,206	4,235	4,264	4,292	4,321	4,350	4,378	4,407	4,436	4,465	4,493	4,522	4,551
18 x 1	4,968	5,002	5,036	5,070	5,104	5,138	5,172	5,206	5,241	5,275	5,309	5,343	5,377	5,411	5,445	5,479	5,514	5,548	5,582
22 x 1	6,043	6,085	6,128	6,170	6,212	6,254	6,296	6,338	6,380	6,423	6,465	6,507	6,549	6,591	6,633	6,675	6,718	6,760	6,802

ROLLOS 25/50 m	ST. 466	ST. 467	ST. 468	ST. 469	ST. 470	ST. 471	ST. 472	ST. 473	ST. 474	ST. 475	ST. 476	ST. 477	ST. 478	ST. 479	ST. 480	ST. 481	ST. 482	ST. 483	ST. 484
6 x 1 R	1,738	1,749	1,759	1,770	1,780	1,790	1,801	1,811	1,822	1,832	1,842	1,853	1,863	1,874	1,884	1,894	1,905	1,915	1,925
8 x 1 R	2,357	2,371	2,386	2,400	2,415	2,429	2,443	2,458	2,472	2,486	2,501	2,515	2,530	2,544	2,558	2,573	2,587	2,601	2,616
10 x 1 R	2,976	2,995	3,014	3,033	3,052	3,071	3,090	3,109	3,128	3,147	3,166	3,185	3,204	3,223	3,243	3,262	3,281	3,300	3,319
12 x 1 R	3,487	3,510	3,533	3,555	3,578	3,601	3,623	3,646	3,668	3,691	3,714	3,736	3,759	3,782	3,804	3,827	3,849	3,872	3,895
14 x 1 R	4,052	4,078	4,105	4,132	4,158	4,185	4,212	4,238	4,265	4,292	4,318	4,345	4,372	4,398	4,425	4,452	4,478	4,505	4,532
15 x 1 R	4,191	4,219	4,248	4,277	4,306	4,334	4,363	4,392	4,420	4,449	4,478	4,507	4,535	4,564	4,593	4,622	4,650	4,679	4,708
16 x 1 R	4,702	4,733	4,764	4,795	4,825	4,856	4,887	4,918	4,949	4,979	5,010	5,041	5,072	5,103	5,133	5,164	5,195	5,226	5,256
18 x 1 R	5,164	5,198	5,232	5,266	5,300	5,334	5,368	5,403	5,437	5,471	5,505	5,539	5,573	5,607	5,641	5,676	5,710	5,744	5,778
22 x 1 R	6,345	6,387	6,429	6,471	6,513	6,555	6,598	6,640	6,682	6,724	6,766	6,808	6,850	6,893	6,935	6,977	7,019	7,061	7,103
15 x 1,5 R	6,386	6,427	6,468	6,509	6,549	6,590	6,631	6,672	6,713	6,754	6,795	6,836	6,876	6,917	6,958	6,999	7,040	7,081	7,122
18 x 1,5 R	8,025	8,075	8,125	8,175	8,225	8,275	8,324	8,374	8,424	8,474	8,524	8,574	8,624	8,673	8,723	8,773	8,823	8,873	8,923
22 x 1,5 R	9,834	9,896	9,958	10,019	10,081	10,143	10,205	10,267	10,329	10,390	10,452	10,514	10,576	10,638	10,700	10,761	10,823	10,885	10,947

Tubo de cobre para usos sanitario, gas y energía solar térmica, según norma EN1057 certificado por AENOR



TIRA	5 MTS	
15 x 0,75	500	MTS/FAJO
18 x 0,75	500	MTS/FAJO
8 x 1	500	MTS/FAJO
10 x 1	500	MTS/FAJO
12 x 1	500	MTS/FAJO
14 x 1	500	MTS/FAJO
15 x 1	750	MTS/FAJO
16 x 1	500	MTS/FAJO
18 x 1	500	MTS/FAJO
22 x 1	500	MTS/FAJO
28 x 1	500	MTS/FAJO
35 x 1	250	MTS/FAJO
42 x 1	200	MTS/FAJO
54 x 1,2	150	MTS/FAJO
15 x 1,5	900	MTS/FAJO
18 x 1,5	750	MTS/FAJO
22 x 1,5	500	MTS/FAJO
28 x 1,5	450	MTS/FAJO
35 x 1,5	350	MTS/FAJO
42 x 1,5	200	MTS/FAJO
54 x 1,5	150	MTS/FAJO
64 x 1,5	100	MTS/FAJO
76,1 x 1,5	50	MTS/FAJO

TIRA	TIRAS 2, 5 MTS	
15 x 1	500	MTS/FAJO
18 x 1	500	MTS/FAJO
22 x 1	500	MTS/FAJO

ROLLO	25/50 MTS	
6 x 1	1200	MTS/PALET
8 x 1	1200	MTS/PALET
10 x 1	1200	MTS/PALET
12 x 1	900	MTS/PALET
14 x 1	800	MTS/PALET
15 x 1	800	MTS/PALET
16 x 1	700	MTS/PALET
18 x 1	600	MTS/PALET
22 x 1 x 25	300	MTS/PALET
22 x 1 x 50	300	MTS/PALET
15 x 1,5	800	MTS/PALET
18 x 1,5	600	MTS/PALET
22 x 1,5 (25 mts)	350	MTS/PALET
22 x 1,5 (50 mts)	400	MTS/PALET



**Sanicrom**  
Tubo cromado sanitario

ROLLO	25 MTS	
8 x 1 x 25	800	MTS/PALET
10 x 1 x 25	750	MTS/PALET
12 x 1 x 25	500	MTS/PALET