

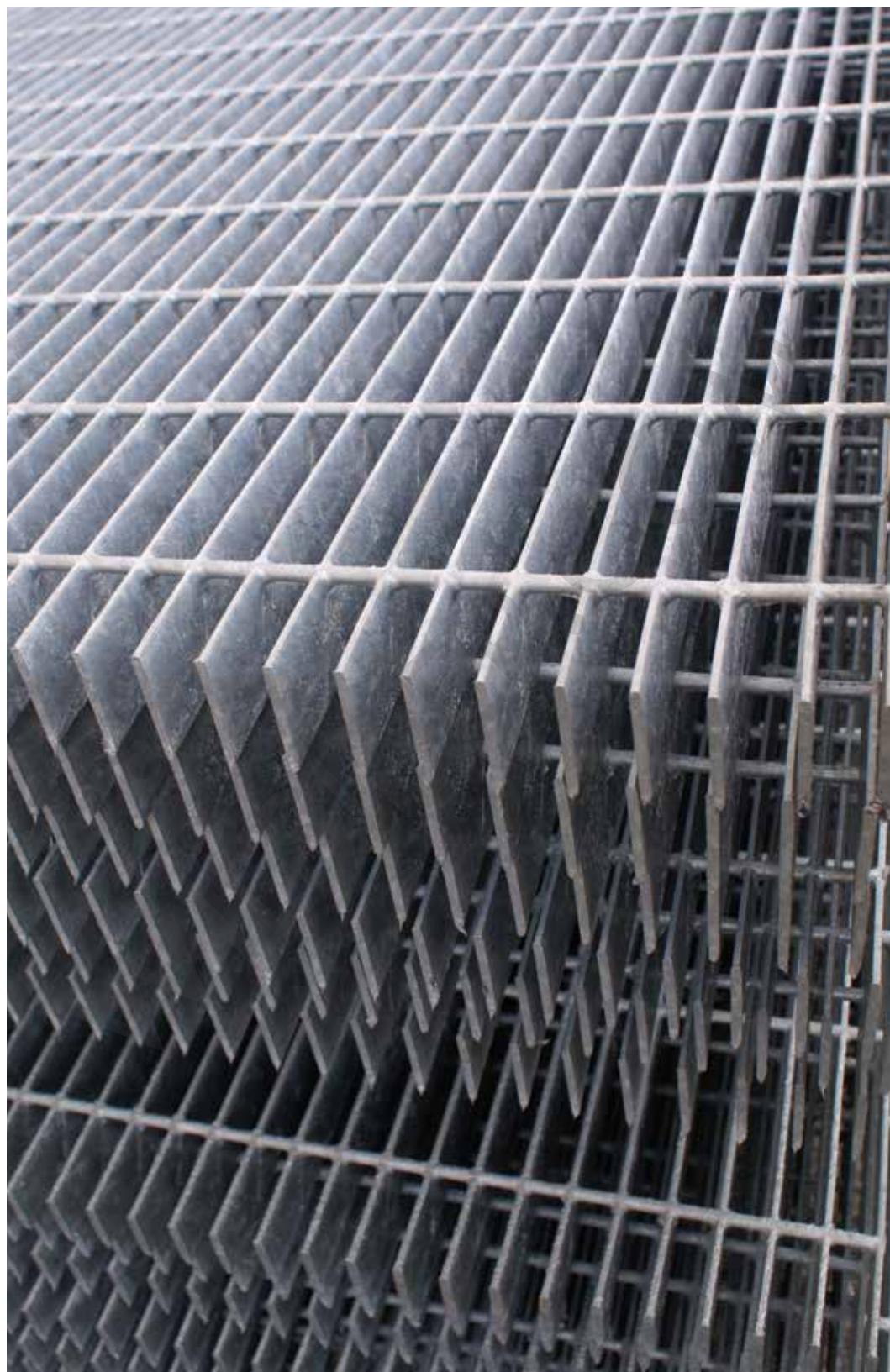
GRIGLIATI

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STEEL GRATINGS

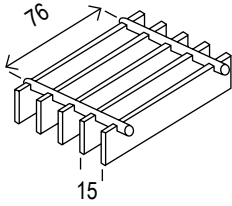
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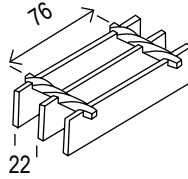


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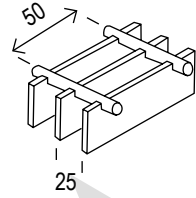
GRATINGS



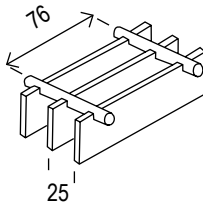
maglia mesh
mm 15x76



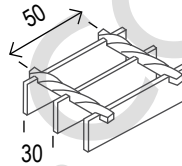
maglia mesh
mm 22x76



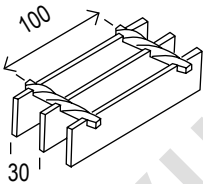
maglia mesh
mm 25x50



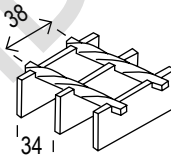
maglia mesh
mm 25x76



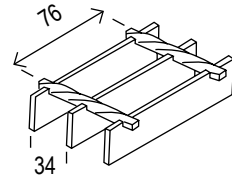
maglia mesh
mm 30x50



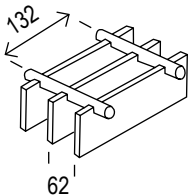
maglia mesh
mm 30x100



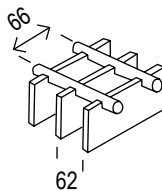
maglia mesh
mm 34x38



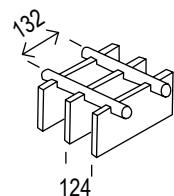
maglia mesh
mm 34x76



maglia mesh
mm 62x132



maglia mesh
mm 62x66



maglia mesh
mm 124x132

GRIGLIATI - GRADINI ZINCATI

GRATINGS - GALVANISED STAIR TREADS

maglia mesh	piatto flat bars	dimensioni dimensions Std.	kg/cad each
15X76	25 x 2	1.200 x 320	13,1
	30 x 2		15,4
25X76	25 x 2	800 x 270	5,8
	25 x 3	1.000 x 270	9,9

PANNELLO ORIZZONTALE

HORIZONTAL PANEL

maglia mesh	piatto flat bars	grezzo black	zincato galvanised
		kg/mq	kg/mq
15x76	20 x 2	21,80	23,40
	25 x 2	27,00	28,90
	30 x 2	32,10	34,30
	40 x 2	42,40	45,30
	25 x 3	40,60	43,40
22x76	30 x 3	48,20	51,60
	25 x 2	21,10	22,60
	30 x 2	24,90	26,60
	25 x 3	30,40	32,50
25x76	30 x 3	35,90	38,40
	25 x 2	17,40	18,60
	30 x 2	20,6	22,1
	40 x 2	27,1	29,00
	25 x 3	26,2	28,00
25x50	30 x 3	31,1	33,2
	25 x 2	18,10	19,40
	25 x 3	27,3	29,2
30x50	25 x 2	17,30	18,50
	25 x 3	24,00	25,70
	30 x 3	28,00	30,0
30x100	25 x 3	22,00	23,50
	30 x 3	26,00	27,80
34x38	25 x 2	15,10	16,20
	30 x 2	17,50	18,70
	25 x 3	22,80	24,40
	30 x 3	26,40	28,30
34x76	25 x 2	14,40	15,40
	30 x 2	16,80	17,90
	25 x 3	20,30	21,70
	30 x 3	23,80	25,50

PANNELLO ORIZZONTALE

HORIZONTAL PANEL

CLASSE 1 - FOLLA COMPATTA

UNI 11002-1

Carico dinamico 600 daN/m²

Materiale acciaio S235JR

Sigma snervamento= 23,5 daN/mm²

Freccia max. 5 mm

Freccia max. 1/200 di Ln

CLASS 1 - DENSE CROWD

UNI 11002-1

Dynamic load 600 daN/m²

Material: steel S235JR

Sigma yield strength= 23,5 daN/mm²

Max. deflection 5mm

Max. deflection on 1/200 of Ln



		Interasse barre portanti <i>Bearing bar centres (mm)</i>									
		11	15	17	22	25	30	33	34	44	66
		Ln= luce netta massima tra gli appoggi <i>maximum clear span between supports (mm)</i>									
		Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln
Sezione barre portanti <i>Bearing bar section</i>	20 x 2	1129	1045	1013	933	894	842	815	807	741	633
	25 x 2	1335	1235	1197	1123	1087	1039	1014	1007	926	792
	30 x 2	1531	1417	1373	1287	1247	1191	1163	1154	1082	950
	35 x 2	1718	1590	1541	1445	1400	1337	1306	1296	1215	1098
	40 x 2	1900	1758	1704	1597	1547	1478	1443	1432	1343	1214
	45 x 2	2075	1920	1861	1745	1690	1615	1577	1565	1467	1326
	50 x 2	2246	2078	2014	1888	1829	1747	1706	1694	1588	1435
	25 x 3	1478	1367	1325	1242	1203	1150	1123	1114	1045	926
	30 x 3	1694	1568	1519	1425	1380	1318	1287	1278	1198	1082
	35 x 3	1902	1760	1706	1599	1549	1480	1445	1434	1345	1215
	40 x 3	2102	1945	1885	1768	1712	1636	1597	1585	1486	1343
	45 x 3	2296	2125	2060	1931	1870	1787	1745	1732	1624	1467
	50 x 3	2485	2300	2229	2090	2024	1934	1888	1874	1757	1588
	60 x 3	2850	2637	2556	2396	2321	2217	2165	2149	2015	1821
	70 x 3	3199	2960	2869	2690	2605	2489	2430	2412	2262	2044
	80 x 3	3536	3272	3171	2973	2880	2751	2687	2667	2500	2259
	90 x 3	3862	3574	3464	3248	3146	3005	2935	2913	2731	2468
	100 x 3	4180	3868	3749	3515	3404	3253	3176	3152	2956	2671
	30 x 4	1821	1685	1633	1531	1483	1417	1383	1373	1287	1163
	40 x 4	2259	2090	2026	1900	1840	1758	1716	1704	1597	1443
	45 x 4	2468	2284	2213	2075	2010	1920	1875	1861	1745	1577
	50 x 4	2671	2471	2395	2246	2175	2078	2029	2014	1888	1706
	60 x 4	3062	2834	2746	2575	2494	2383	2327	2309	2165	1956
	70 x 4	3437	3181	3083	2890	2800	2675	2612	2592	2430	2196
80 x 4	3800	3516	3408	3195	3094	2957	2887	2865	2687	2428	
90 x 4	4151	3841	3722	3490	3380	3230	3154	3130	2935	2652	
100 x 4	4492	4157	4029	3777	3658	3495	3413	3388	3176	2870	
110 x 4	4825	4465	4327	4057	3929	3754	3666	3639	3411	3083	
120 x 4	5150	4766	4619	4331	4194	4007	3913	3884	3642	3290	
40 x 5	2389	2210	2142	2009	1945	1859	1815	1801	1689	1526	
50 x 5	2824	2613	2533	2375	2300	2197	2146	2130	1997	1804	
60 x 5	3238	2996	2904	2723	2637	2519	2460	2442	2289	2069	
70 x 5	3635	3363	3260	3056	2960	2828	2762	2741	2570	2322	
80 x 5	4018	3718	3603	3378	3272	3126	3053	3030	2841	2567	
90 x 5	4389	4061	3936	3690	3574	3415	3335	3310	3103	2804	
100 x 5	4750	4395	4260	3994	3868	3696	3609	3582	3358	3035	
110 x 5	5102	4721	4575	4290	4155	3970	3876	3847	3607	3259	
120 x 5	5446	5039	4884	4579	4435	4237	4138	4107	3850	3479	

PANNELLO ORIZZONTALE

HORIZONTAL PANEL

CLASSE 2 - AUTOVETTURE

UNI 11002-1

Carico dinamico 1000 daN su impronta 200x200 mm

massa totale a terra fino a 3000 kg

Materiale acciaio S235JR

Sigma snervamento= 23,5 daN/mm²

Freccia max. 5 mm

Freccia max. 1/200 di Ln

CLASS 2 - AUTOMOBILES

UNI 11002-1

Dynamic load 1000 daN over a 200x200mm area

Load-bearing capacity up to 3000kg

Material: steel S235JR

Sigma yield strength= 23,5 daN/mm²

Max. deflection 5mm

Max. deflection on 1/200 of Ln



		Interasse barre portanti <i>Bearing bar centres</i> (mm)									
		11	15	17	22	25	30	33	34	44	66
		Ln= luce netta massima tra gli appoggi <i>maximum clear span between supports</i> (mm)									
		Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln
Sezione barre portanti <i>Bearing bar section</i>	20 x 2	272	231	214	197	187	168	166	156	143	129
	25 x 2	369	305	279	252	238	210	208	195	179	162
	30 x 2	488	395	357	320	298	259	255	237	216	194
	35 x 2	628	502	450	399	370	316	312	287	258	229
	40 x 2	790	625	558	491	453	383	376	345	306	268
	45 x 2	974	764	680	595	547	458	450	410	361	313
	50 x 2	1179	920	816	711	652	542	532	482	423	363
	25 x 3	504	407	368	329	307	265	262	243	221	198
	30 x 3	682	543	486	430	398	339	333	306	274	242
	35 x 3	893	703	626	549	505	425	418	381	337	293
	40 x 3	1136	887	787	687	629	524	515	467	410	353
	45 x 3	1360	1097	970	843	770	637	625	565	492	420
	50 x 3	1510	1330	1174	1017	928	763	749	674	584	495
	60 x 3	1811	1653	1580	1421	1292	1056	1034	927	798	669
	70 x 3	2111	1928	1842	1748	1690	1401	1372	1225	1050	874
	80 x 3	2412	2202	2105	1997	1930	1794	1761	1570	1341	1112
	90 x 3	2713	2477	2367	2246	2171	2017	2002	1922	1671	1381
	100 x 3	3014	2752	2630	2495	2412	2241	2224	2135	2018	1681
	30 x 4	877	690	615	540	497	418	411	375	332	289
	40 x 4	1331	1150	1016	883	806	666	653	590	513	437
	45 x 4	1496	1366	1260	1091	994	817	800	720	623	527
	50 x 4	1661	1517	1450	1323	1204	985	965	865	746	627
	60 x 4	1992	1819	1739	1650	1595	1374	1346	1202	1031	859
	70 x 4	2323	2121	2027	1924	1859	1728	1715	1601	1367	1133
	80 x 4	2655	2423	2316	2198	2124	1974	1959	1881	1755	1449
	90 x 4	2986	2726	2605	2472	2389	2220	2203	2115	1999	1808
	100 x 4	3317	3028	2894	2746	2654	2466	2447	2350	2221	2075
	110 x 4	3649	3331	3183	3020	2919	2712	2691	2584	2443	2282
120 x 4	3980	3633	3472	3294	3184	2958	2936	2819	2664	2489	
40 x 5	1433	1308	1245	1078	983	808	792	712	617	521	
50 x 5	1789	1634	1561	1482	1432	1206	1181	1057	908	758	
60 x 5	2146	1959	1872	1777	1717	1596	1584	1478	1263	1048	
70 x 5	2502	2284	2183	2072	2002	1861	1847	1773	1676	1391	
80 x 5	2859	2610	2495	2367	2288	2126	2110	2026	1915	1787	
90 x 5	3216	2936	2806	2662	2573	2391	2373	2278	2153	2012	
100 x 5	3573	3262	3117	2958	2858	2656	2636	2531	2392	2235	
110 x 5	3930	3587	3428	3253	3144	2921	2899	2783	2631	2458	
120 x 5	4287	3913	3740	3549	3429	3186	3162	3036	2870	2681	

PANNELLO ORIZZONTALE

HORIZONTAL PANEL

CLASSE 3 - AUTOCARRI
UNI 11002-1

Carico dinamico 3000 daN su impronta 400x200 mm
massa totale a terra fino a 6000 kg
Materiale acciaio S235JR
Sigma snervamento= 23,5 daN/mm²
Freccia max. 5 mm
Freccia max. 1/200 di L_n

CLASS 3 - LIGHT WEIGHT LORRIES
UNI 11002-1

Dynamic load 3000 daN over a 400x200 mm area
Load-bearing capacity up to 6000 kg
Material: steel S235JR
Sigma yield strength= 23,5 daN/mm²
Max. deflection 5mm
Max. deflection on 1/200 of L_n



		Interasse barre portanti <i>Bearing bar centres (mm)</i>									
		11	15	17	22	25	30	33	34	44	66
		L _n = luce netta massima tra gli appoggi <i>maximum clear span between supports (mm)</i>									
		L _n	L _n	L _n	L _n	L _n	L _n	L _n	L _n	L _n	L _n
Sezione barre portanti <i>Bearing bar section</i>	20 x 2	205	176	167	150	142	129	124	120	110	93
	25 x 2	264	222	209	187	177	162	156	150	138	117
	30 x 2	321	276	257	227	213	194	187	180	165	140
	35 x 2	375	327	305	273	255	229	219	211	193	164
	40 x 2	430	374	349	323	302	268	255	245	222	187
	45 x 2	491	421	393	363	345	309	297	283	254	211
	50 x 2	559	473	438	403	383	343	339	319	290	237
	25 x 3	328	283	264	232	218	198	191	184	169	143
	30 x 3	394	343	321	290	270	242	231	222	202	172
	35 x 3	464	401	374	346	328	293	279	266	240	201
	40 x 3	545	462	429	395	375	336	332	313	283	232
	45 x 3	637	532	490	447	423	378	374	352	323	267
	50 x 3	739	610	558	505	476	421	416	391	359	306
	60 x 3	977	790	715	640	597	518	511	475	432	389
	70 x 3	1257	1004	901	799	741	633	624	575	516	458
	80 x 3	1581	1250	1116	983	906	766	753	690	613	537
	90 x 3	1893	1529	1360	1191	1094	917	900	820	723	627
	100 x 3	2100	1841	1632	1423	1304	1085	1065	965	846	727
	30 x 4	459	396	370	342	325	289	275	263	237	199
	40 x 4	660	550	505	461	435	388	384	361	332	276
	45 x 4	782	643	586	530	498	439	433	406	373	322
	50 x 4	919	747	677	607	568	495	488	455	415	374
	60 x 4	1236	987	887	787	729	624	615	567	510	453
	70 x 4	1610	1272	1135	999	921	778	765	700	622	544
	80 x 4	1852	1600	1422	1244	1142	955	938	853	751	649
	90 x 4	2081	1901	1746	1521	1392	1156	1134	1027	898	769
	100 x 4	2310	2110	2017	1831	1672	1380	1353	1221	1062	902
	110 x 4	2539	2319	2217	2105	1981	1628	1596	1435	1243	1050
120 x 4	2768	2528	2417	2294	2217	1899	1861	1670	1441	1212	
40 x 5	775	637	581	526	494	436	430	404	371	320	
50 x 5	1099	883	796	709	660	568	560	519	469	419	
60 x 5	1495	1184	1059	934	862	731	719	659	587	516	
70 x 5	1748	1540	1369	1199	1101	922	906	825	728	630	
80 x 5	1994	1822	1727	1505	1377	1144	1123	1016	889	762	
90 x 5	2240	2046	1957	1851	1690	1395	1368	1233	1072	911	
100 x 5	2486	2271	2171	2061	1993	1675	1642	1476	1277	1078	
110 x 5	2733	2496	2386	2265	2190	1985	1945	1744	1503	1263	
120 x 5	2980	2722	2602	2469	2387	2219	2203	2038	1751	1465	

PANNELLO ORIZZONTALE

HORIZONTAL PANEL

CLASSE 4 - AUTOARTICOLATI UNI 11002-1

Codice della strada - Articolo 62. Massa limite - Punto 5.
Qualunque sia il tipo di veicolo, la massa gravante sull'asse piú caricato non deve eccedere 12 t
Carico dinamico 9000 daN su impronta 600x250 mm massa totale a terra fino a 45000 kg
Materiale acciaio S235JR - Sigma snervamento= 23,5 daN/mm²
Freccia max. 5 mm - Freccia max. 1/200 di Ln

CLASS 4 - LORRIES AND ARTICULATED TRUCKS UNI 11002-1

Road traffic code - Article 62. Maximum authorised mass - Point 5.
Whatever the type of vehicle may be, the mass on the most heavily loaded axle must not exceed 12t
Dynamic load 9000 daN over a 600x250 mm area
Load-bearing capacity up to 45000 kg - Material: steel S235JR
Sigma yield strength= 23,5 daN/mm²
Max. deflection 5mm - Max. deflection on 1/200 of Ln



		Interasse barre portanti Bearing bar centres (mm)									
		11	15	17	22	25	30	33	34	44	66
		Ln= luce netta massima tra gli appoggi maximum clear span between supports (mm)									
Sezione barre portanti Bearing bar section		Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln	Ln
20 x 2	159	138	130	115	109	100	95	93	82	70	
25 x 2	199	173	162	144	136	125	119	116	103	88	
30 x 2	239	208	195	173	164	150	143	139	124	106	
35 x 2	281	242	228	202	191	176	167	163	144	123	
40 x 2	329	278	260	231	218	201	191	186	165	141	
45 x 2	371	319	296	260	246	226	215	209	186	159	
50 x 2	412	359	337	292	274	251	239	233	206	176	
25 x 3	244	212	199	177	167	154	146	142	126	108	
30 x 3	297	254	239	212	201	184	175	171	152	129	
35 x 3	353	301	280	248	234	215	205	200	177	151	
40 x 3	404	352	328	285	268	246	234	228	202	173	
45 x 3	455	396	374	328	306	278	263	257	228	194	
50 x 3	505	440	416	376	349	314	296	288	253	216	
60 x 3	606	528	499	452	433	395	372	360	310	259	
70 x 3	717	616	582	528	505	460	434	434	376	308	
80 x 3	845	713	669	603	577	526	496	496	437	364	
90 x 3	990	823	767	684	651	592	559	559	491	413	
100 x 3	1152	946	876	774	734	661	621	621	546	459	
30 x 4	350	298	277	245	232	213	202	197	175	149	
40 x 4	467	406	384	339	316	286	271	264	234	199	
45 x 4	525	457	432	391	367	330	310	301	263	224	
50 x 4	583	508	480	435	416	378	353	342	296	249	
60 x 4	709	610	576	522	500	456	430	430	371	304	
70 x 4	856	722	676	609	583	532	502	502	441	369	
80 x 4	1027	851	792	704	670	608	573	573	504	424	
90 x 4	1220	998	923	812	769	690	647	647	567	477	
100 x 4	1436	1162	1069	932	879	781	728	728	631	530	
110 x 4	1674	1343	1230	1064	1000	883	818	818	701	583	
120 x 4	1936	1541	1407	1210	1133	993	917	917	777	637	
40 x 5	522	454	429	389	364	327	308	299	262	223	
50 x 5	655	568	537	486	466	425	401	397	339	281	
60 x 5	811	687	646	584	559	510	481	481	423	349	
70 x 5	995	828	771	687	654	595	561	561	493	414	
80 x 5	1208	989	915	805	763	685	643	643	564	474	
90 x 5	1450	1172	1078	940	886	787	734	734	635	533	
100 x 5	1720	1377	1261	1090	1023	902	836	836	714	592	
110 x 5	2018	1603	1463	1256	1175	1028	948	948	801	654	
120 x 5	2205	1851	1684	1437	1342	1167	1071	1071	896	721	

PANNELLO VERTICALE

VERTICAL PANEL

Interasse piantane/Pedestal centres 2000 mm
larghezza utile/net covering width 1992 mm

h pannello h panel	maglia mesh	piatto flat bars	Zincato Gavanised	
			kg/cad each	
932	62 x 132	25 x 2	17,70	
		25 x 3	23,71	
		30 x 4	35,24	
	62 x 66	25 x 2	19,85	
		25 x 3	25,87	
	124 x 132	25 x 2	11,88	
25 x 3		14,99		
1.196	62 x 132	25 x 2	21,75	
		25 x 3	29,48	
		30 x 4	44,11	
	62 x 66	25 x 2	24,52	
		25 x 3	32,25	
	124 x 132	25 x 2	14,27	
25 x 3		18,27		
1.328	62 x 132	25 x 2	23,78	
		25 x 3	32,97	
		30 x 4	48,54	
	62 x 66	25 x 2	26,85	
		25 x 3	35,45	
	124 x 132	25 x 2	15,47	
25 x 3		19,90		
1.460	62 x 132	25 x 2	25,80	
		25 x 3	35,26	
		30 x 4	52,97	
	62 x 66	25 x 2	29,19	
		25 x 3	38,64	
	124 x 132	25 x 2	16,67	
25 x 3		21,54		
1.724	62 x 132	25 x 2	29,86	
		25 x 3	41,03	
		30 x 4	61,84	
	62 x 66	25 x 2	33,86	
		25 x 3	45,03	
	124 x 132	25 x 2	19,06	
25 x 3		24,82		
1.988	62 x 132	25 x 2	33,91	
		25 x 3	46,80	
		30 x 4	70,70	
	62 x 66	25 x 2	38,53	
		25 x 3	51,41	
	124 x 132	25 x 2	21,45	
25 x 3		28,10		
2.120	62 x 132	25 x 2	35,94	
		25 x 3	49,68	
		30 x 4	75,13	
	62 x 66	25 x 2	40,86	
		25 x 3	54,61	
	124 x 132	25 x 2	22,64	
25 x 3		29,74		

Interasse piantane Pedestal centres 1650 mm
larghezza utile/net covering width 1642 mm

h pannello h panel	maglia mesh	piatto flat bars	Zincato Gavanised	
			kg/cad each	
932	62 x 132	25 x 2	14,80	
		25 x 3	19,85	
		30 x 4	29,51	
	62 x 66	25 x 2	16,59	
		25 x 3	21,64	
	124 x 132	25 x 2	9,70	
25 x 3		12,22		
1.196	62 x 132	25 x 2	18,20	
		25 x 3	24,68	
		30 x 4	36,94	
	62 x 66	25 x 2	20,50	
		25 x 3	26,98	
	124 x 132	25 x 2	11,63	
25 x 3		14,88		
1.328	62 x 132	25 x 2	19,89	
		25 x 3	27,10	
		30 x 4	40,66	
	62 x 66	25 x 2	22,45	
		25 x 3	29,66	
	124 x 132	25 x 2	12,60	
25 x 3		16,21		
1.460	62 x 132	25 x 2	21,59	
		25 x 3	29,52	
		30 x 4	44,37	
	62 x 66	25 x 2	24,40	
		25 x 3	32,33	
	124 x 132	25 x 2	13,57	
25 x 3		17,53		
1.724	62 x 132	25 x 2	24,99	
		25 x 3	35,34	
		30 x 4	51,80	
	62 x 66	25 x 2	28,31	
		25 x 3	37,68	
	124 x 132	25 x 2	15,51	
25 x 3		20,19		
1.988	62 x 132	25 x 2	28,38	
		25 x 3	39,19	
		30 x 4	59,23	
	62 x 66	25 x 2	32,21	
		25 x 3	43,02	
	124 x 132	25 x 2	17,44	
25 x 3		22,85		
2.120	62 x 132	25 x 2	30,08	
		25 x 3	41,61	
		30 x 4	62,95	
	62 x 66	25 x 2	34,16	
		25 x 3	45,00	
	124 x 132	25 x 2	19,14	
25 x 3		24,70		