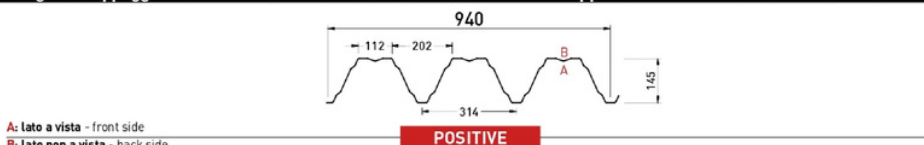


Larghezza appoggi: intermedio = 450 mm | esterno = 225 mm

Support width: Internal = 450 mm | End = 225 mm

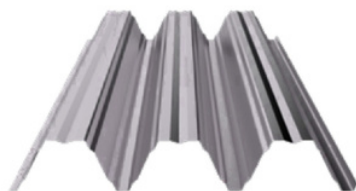
Tabelle di portata (daN/m²) Load tables (daN/sqm)



Reazione al fuoco Fire reaction  
**CLASS A1**

Comportamento al fuoco dall'esterno External fire performance  
**Broof (t1,t2,t3)**

Senza necessità di sottoporre a prova secondo la norma UNI EN 14782:2006. No lab test is required as per UNI EN 14782:2006.



## DATI STATICI STATIC DATA PESO WEIGHT

| Sp. Th.<br>(mm) | Jy<br>(cm⁴/m) | We inf<br>(cm³/m) | We sup<br>(cm³/m) | Steel<br>Kg/m² |
|-----------------|---------------|-------------------|-------------------|----------------|
| 0,75            | 307,90        | 35,36             | 50,27             | 9,39           |
| 0,80            | 330,70        | 38,06             | 53,79             | 10,02          |
| 0,88            | 367,35        | 42,43             | 59,43             | 11,02          |
| 1,00            | 420,82        | 49,03             | 67,90             | 12,53          |
| 1,15            | 483,95        | 56,42             | 78,03             | 14,41          |
| 1,25            | 526,03        | 61,29             | 84,75             | 15,66          |
| 1,50            | 631,24        | 73,44             | 101,49            | 18,79          |

APPLICAZIONI  
APPLICATIONS

**SANDnodrip**  
Class A2 - s1, d0



**SANDcontrol**  
Class C - s1, d0



Broof (t1,t2,t3)

## Tabelle di portata (daN/m²) Load tables (daN/sqm)

steel S320GD

\* Valori di portata caratteristici con coefficiente di sicurezza applicato pari a:  $\gamma_s = 1,40$ . Characteristic load with an applied safety coefficient equal to:  $\gamma_s = 1,40$ .

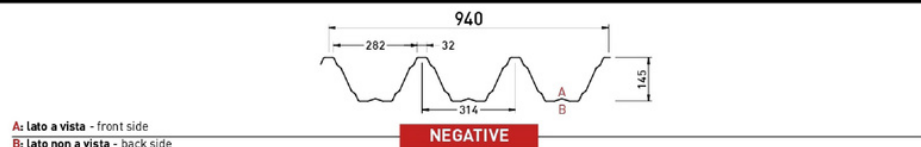
In: ROSSO i valori rappresentativi della portata con inflessione limite raggiunta. The values indicated in blue are representative of the load capacity with the limit inflection reached.

| Larghezza appoggio esterno: 225 mm |              |                                                                   |             |      |      |      |      |      |      | End support width: 225 mm |      |                                                 |      |      |      |      |      |      |      |      |      |
|------------------------------------|--------------|-------------------------------------------------------------------|-------------|------|------|------|------|------|------|---------------------------|------|-------------------------------------------------|------|------|------|------|------|------|------|------|------|
| Sp. Th.                            |              | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m²) |             |      |      |      |      |      |      |                           |      | Span (m) / Uniformly distributed load (daN/sqm) |      |      |      |      |      |      |      |      |      |
| mm                                 |              | CAMPATA SINGOLA                                                   |             |      |      |      |      |      |      |                           |      | SINGLE SPAN                                     |      |      |      |      |      |      |      |      |      |
|                                    |              | State limite                                                      | Limit state | 4,40 | 4,60 | 4,80 | 5,00 | 5,20 | 5,40 | 5,60                      | 5,80 | 6,00                                            | 6,20 | 6,40 | 6,60 | 6,80 | 7,00 | 7,20 | 7,40 | 7,60 | 7,80 |
| 0,75                               | SLU          | ULS                                                               |             | 364  | 332  | 303  | 278  | 256  | 237  | 219                       | 203  | 189                                             | 176  | 165  | 154  | 145  | 136  | 128  | 120  | 113  | 107  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 260         | 237  | 217  | 199  | 183  | 169  | 156  | 145                       | 135  | 126                                             | 118  | 105  | 95   | 86   | 79   | 72   | 65   | 60   |      |
|                                    |              | 1/200                                                             | 260         | 237  | 217  | 191  | 168  | 149  | 132  | 118                       | 106  | 95                                              | 85   | 77   | 69   | 63   | 57   | 52   | 47   | 43   |      |
|                                    |              | 1/250                                                             | 227         | 197  | 172  | 151  | 133  | 117  | 104  | 93                        | 83   | 74                                              | 66   | 60   | 54   | 48   | 44   | 40   | 36   | 32   |      |
| 0,80                               | SLU          | ULS                                                               |             | 418  | 380  | 348  | 319  | 294  | 271  | 251                       | 233  | 217                                             | 202  | 189  | 177  | 166  | 156  | 146  | 138  | 130  | 123  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 298         | 272  | 248  | 228  | 210  | 194  | 179  | 167                       | 155  | 139                                             | 125  | 113  | 102  | 93   | 85   | 77   | 70   | 64   |      |
|                                    |              | 1/200                                                             | 298         | 272  | 248  | 223  | 205  | 181  | 160  | 142                       | 127  | 113                                             | 102  | 91   | 82   | 74   | 67   | 61   | 55   | 50   | 46   |
|                                    |              | 1/250                                                             | 244         | 212  | 185  | 162  | 143  | 126  | 112  | 100                       | 89   | 79                                              | 71   | 64   | 58   | 52   | 47   | 42   | 38   | 35   |      |
| 0,88                               | SLU          | ULS                                                               |             | 485  | 441  | 404  | 370  | 341  | 315  | 291                       | 270  | 252                                             | 235  | 219  | 205  | 192  | 181  | 170  | 160  | 151  | 143  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 346         | 315  | 288  | 265  | 244  | 225  | 208  | 193                       | 180  | 168                                             | 147  | 133  | 120  | 109  | 99   | 90   | 83   | 75   |      |
|                                    |              | 1/200                                                             | 346         | 315  | 274  | 240  | 212  | 188  | 167  | 149                       | 133  | 119                                             | 107  | 97   | 87   | 79   | 72   | 65   | 59   | 54   |      |
|                                    |              | 1/250                                                             | 287         | 249  | 217  | 190  | 167  | 146  | 131  | 117                       | 104  | 93                                              | 84   | 75   | 68   | 61   | 55   | 50   | 45   | 41   |      |
| 1,00                               | SLU          | ULS                                                               |             | 579  | 527  | 482  | 442  | 407  | 376  | 348                       | 323  | 301                                             | 280  | 262  | 245  | 230  | 216  | 203  | 191  | 180  | 170  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 413         | 377  | 344  | 316  | 291  | 269  | 249  | 231                       | 215  | 200                                             | 187  | 168  | 152  | 138  | 125  | 114  | 104  | 95   |      |
|                                    |              | 1/200                                                             | 413         | 377  | 344  | 304  | 268  | 237  | 211  | 188                       | 168  | 151                                             | 136  | 122  | 111  | 100  | 91   | 82   | 75   | 68   |      |
|                                    |              | 1/250                                                             | 362         | 314  | 274  | 240  | 212  | 187  | 166  | 148                       | 132  | 118                                             | 106  | 95   | 86   | 77   | 70   | 63   | 57   | 52   |      |
| 1,15                               | SLU          | ULS                                                               |             | 665  | 606  | 554  | 508  | 468  | 432  | 400                       | 371  | 345                                             | 322  | 301  | 282  | 264  | 248  | 233  | 220  | 207  | 196  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 475         | 433  | 396  | 363  | 334  | 309  | 286  | 265                       | 247  | 230                                             | 215  | 193  | 175  | 159  | 144  | 132  | 120  | 110  |      |
|                                    |              | 1/200                                                             | 475         | 433  | 396  | 363  | 330  | 308  | 273  | 242                       | 216  | 193                                             | 174  | 156  | 141  | 127  | 115  | 104  | 95   | 86   | 78   |
|                                    |              | 1/250                                                             | 416         | 361  | 315  | 276  | 243  | 215  | 191  | 170                       | 152  | 136                                             | 122  | 109  | 99   | 89   | 80   | 73   | 66   | 60   |      |
| 1,25                               | SLU          | ULS                                                               |             | 722  | 658  | 602  | 552  | 508  | 469  | 434                       | 403  | 375                                             | 350  | 327  | 306  | 287  | 269  | 253  | 239  | 225  | 213  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 516         | 470  | 430  | 394  | 363  | 335  | 310  | 288                       | 268  | 250                                             | 233  | 210  | 190  | 172  | 157  | 143  | 131  | 119  |      |
|                                    |              | 1/200                                                             | 516         | 470  | 430  | 380  | 335  | 296  | 263  | 235                       | 210  | 189                                             | 170  | 153  | 138  | 125  | 113  | 103  | 94   | 85   |      |
|                                    |              | 1/250                                                             | 453         | 393  | 343  | 300  | 264  | 234  | 207  | 185                       | 165  | 147                                             | 132  | 119  | 107  | 97   | 87   | 79   | 72   | 65   |      |
| 1,50                               | SLU          | ULS                                                               |             | 866  | 789  | 721  | 662  | 609  | 562  | 521                       | 483  | 449                                             | 419  | 392  | 366  | 344  | 323  | 304  | 286  | 270  | 255  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 618         | 563  | 515  | 473  | 435  | 402  | 372  | 345                       | 321  | 299                                             | 280  | 252  | 228  | 207  | 188  | 172  | 157  | 143  |      |
|                                    |              | 1/200                                                             | 618         | 563  | 515  | 456  | 402  | 356  | 316  | 282                       | 252  | 226                                             | 204  | 184  | 166  | 150  | 136  | 124  | 112  | 102  |      |
|                                    |              | 1/250                                                             | 543         | 471  | 411  | 360  | 317  | 281  | 249  | 222                       | 198  | 177                                             | 159  | 143  | 129  | 116  | 105  | 95   | 86   | 78   |      |
| 1,50                               | SLU          | ULS                                                               |             | 866  | 789  | 721  | 662  | 609  | 562  | 521                       | 483  | 449                                             | 419  | 392  | 366  | 344  | 323  | 304  | 286  | 270  | 255  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 618         | 563  | 515  | 473  | 435  | 402  | 372  | 345                       | 321  | 299                                             | 280  | 252  | 228  | 207  | 188  | 172  | 157  | 143  |      |
|                                    |              | 1/200                                                             | 618         | 563  | 515  | 456  | 402  | 356  | 316  | 282                       | 252  | 226                                             | 204  | 184  | 166  | 150  | 136  | 124  | 112  | 102  |      |
|                                    |              | 1/250                                                             | 543         | 471  | 411  | 360  | 317  | 281  | 249  | 222                       | 198  | 177                                             | 159  | 143  | 129  | 116  | 105  | 95   | 86   | 78   |      |
| 1,50                               | SLU          | ULS                                                               |             | 866  | 789  | 721  | 662  | 609  | 562  | 521                       | 483  | 449                                             | 419  | 392  | 366  | 344  | 323  | 304  | 286  | 270  | 255  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 618         | 563  | 515  | 473  | 435  | 402  | 372  | 345                       | 321  | 299                                             | 280  | 252  | 228  | 207  | 188  | 172  | 157  | 143  |      |
|                                    |              | 1/200                                                             | 618         | 563  | 515  | 456  | 402  | 356  | 316  | 282                       | 252  | 226                                             | 204  | 184  | 166  | 150  | 136  | 124  | 112  | 102  |      |
|                                    |              | 1/250                                                             | 543         | 471  | 411  | 360  | 317  | 281  | 249  | 222                       | 198  | 177                                             | 159  | 143  | 129  | 116  | 105  | 95   | 86   | 78   |      |
| 1,50                               | SLU          | ULS                                                               |             | 866  | 789  | 721  | 662  | 609  | 562  | 521                       | 483  | 449                                             | 419  | 392  | 366  | 344  | 323  | 304  | 286  | 270  | 255  |
|                                    | SLE*<br>SLS* | 1/150                                                             | 618         | 563  | 515  | 473  | 435  | 402  | 372  | 345                       | 321  | 299                                             | 280  | 252  | 228  | 207  | 188  | 172  | 157  | 143  |      |
|                                    |              | 1/200                                                             | 618         | 563  | 515  | 456  | 402  | 356  | 316  | 282                       | 252  | 226                                             | 204  | 184  | 166  | 150  | 136  | 124  | 112  | 102  |      |
|                                    |              | 1/250                                                             | 543         | 471  | 411  | 360  | 317  | 281  | 249  | 222                       | 198  | 177                                             | 159  | 143  | 129  | 116  | 105  | 95   | 86   | 78   |      |

I valori riportati in tabella sono da considerarsi come indicativi, è competenza del progettista procedere per i singoli casi di verifica al relativo calcolo.

Larghezza appoggio intermedio: 450 mm - Larghezza appoggio esterno: 225 mm Internal support width: 450 mm - End support width: 225 mm

| Sp. Th. |     | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m²) |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Span (m) / Uniformly distributed load (daN/sqm) |      |      |      |  |  |
|---------|-----|-------------------------------------------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------------------------------------|------|------|------|--|--|
|         |     | CAMPATA DOPPIA                                                    |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | DOUBLE SPAN                                     |      |      |      |  |  |
| mm      |     | Stato limite                                                      | Ulti | state | 4,40 | 4,60 | 4,80 | 5,00 | 5,20 | 5,40 | 5,60 | 5,80 | 6,00 | 6,20 | 6,40 | 6,60 | 6,80 | 7,00 | 7,20                                            | 7,40 | 7,60 | 7,80 |  |  |
| 0,75    | SLU | ULS                                                               | 322  | 300   | 280  | 268  | 258  | 243  | 224  | 208  | 196  | 185  | 176  | 167  | 159  | 151  | 144  | 138  | 132                                             | 126  |      |      |  |  |
|         |     | 1/150                                                             | 230  | 214   | 200  | 191  | 184  | 174  | 160  | 148  | 140  | 132  | 125  | 119  | 113  | 108  | 103  | 98   | 94                                              | 90   |      |      |  |  |
|         |     | 1/200                                                             | 230  | 214   | 200  | 191  | 184  | 174  | 160  | 148  | 140  | 132  | 125  | 119  | 113  | 108  | 103  | 98   | 94                                              | 90   |      |      |  |  |
|         |     | 1/250                                                             | 230  | 214   | 200  | 191  | 184  | 174  | 160  | 148  | 140  | 132  | 125  | 119  | 113  | 108  | 103  | 98   | 94                                              | 90   |      |      |  |  |
| 0,80    | SLU | ULS                                                               | 368  | 343   | 320  | 300  | 285  | 272  | 258  | 238  | 222  | 211  | 200  | 190  | 180  | 172  | 164  | 156  | 149                                             | 143  |      |      |  |  |
|         |     | 1/150                                                             | 263  | 245   | 229  | 214  | 204  | 194  | 184  | 170  | 159  | 150  | 143  | 135  | 129  | 123  | 117  | 112  | 107                                             | 102  |      |      |  |  |
|         |     | 1/200                                                             | 263  | 245   | 229  | 214  | 204  | 194  | 184  | 170  | 159  | 150  | 143  | 135  | 129  | 123  | 117  | 112  | 107                                             | 102  |      |      |  |  |
|         |     | 1/250                                                             | 263  | 245   | 229  | 214  | 204  | 194  | 184  | 170  | 159  | 150  | 143  | 135  | 129  | 123  | 117  | 112  | 107                                             | 102  |      |      |  |  |
| 0,88    | SLU | ULS                                                               | 447  | 416   | 388  | 363  | 342  | 327  | 301  | 284  | 271  | 254  | 241  | 229  | 217  | 207  | 197  | 188  | 180                                             | 172  |      |      |  |  |
|         |     | 1/150                                                             | 319  | 297   | 277  | 259  | 244  | 233  | 215  | 203  | 194  | 181  | 172  | 163  | 155  | 148  | 141  | 134  | 128                                             | 123  |      |      |  |  |
|         |     | 1/200                                                             | 319  | 297   | 277  | 259  | 244  | 233  | 215  | 203  | 194  | 181  | 172  | 163  | 155  | 148  | 141  | 134  | 128                                             | 123  |      |      |  |  |
|         |     | 1/250                                                             | 319  | 297   | 277  | 259  | 244  | 233  | 215  | 203  | 194  | 181  | 172  | 163  | 155  | 148  | 141  | 134  | 128                                             | 123  |      |      |  |  |
| 1,00    | SLU | ULS                                                               | 555  | 516   | 481  | 450  | 421  | 395  | 372  | 351  | 334  | 313  | 296  | 281  | 267  | 254  | 242  | 231  | 220                                             | 211  |      |      |  |  |
|         |     | 1/150                                                             | 396  | 369   | 344  | 321  | 301  | 282  | 266  | 250  | 238  | 224  | 212  | 201  | 191  | 182  | 173  | 165  | 157                                             | 150  |      |      |  |  |
|         |     | 1/200                                                             | 396  | 369   | 344  | 321  | 301  | 282  | 266  | 250  | 238  | 224  | 212  | 201  | 191  | 182  | 173  | 165  | 157                                             | 150  |      |      |  |  |
|         |     | 1/250                                                             | 396  | 369   | 344  | 321  | 301  | 282  | 266  | 250  | 238  | 224  | 212  | 201  | 191  | 182  | 173  | 165  | 157                                             | 150  |      |      |  |  |
| 1,15    | SLU | ULS                                                               | 671  | 623   | 580  | 541  | 506  | 475  | 446  | 420  | 396  | 374  | 354  | 336  | 319  | 303  | 288  | 275  | 260                                             | 246  |      |      |  |  |
|         |     | 1/150                                                             | 479  | 445   | 414  | 387  | 362  | 339  | 319  | 300  | 283  | 267  | 253  | 240  | 228  | 216  | 206  | 196  | 186                                             | 175  |      |      |  |  |
|         |     | 1/200                                                             | 479  | 445   | 414  | 387  | 362  | 339  | 319  | 300  | 283  | 267  | 253  | 240  | 228  | 216  | 206  | 196  | 186                                             | 175  |      |      |  |  |
|         |     | 1/250                                                             | 479  | 445   | 414  | 387  | 362  | 339  | 319  | 300  | 283  | 267  | 253  | 240  | 228  | 216  | 206  | 196  | 186                                             | 175  |      |      |  |  |
| 1,25    | SLU | ULS                                                               | 781  | 725   | 674  | 629  | 588  | 551  | 518  | 487  | 459  | 434  | 410  | 389  | 369  | 350  | 332  | 312  | 295                                             | 278  |      |      |  |  |
|         |     | 1/150                                                             | 558  | 518   | 482  | 449  | 420  | 394  | 370  | 348  | 328  | 310  | 293  | 278  | 263  | 250  | 237  | 223  | 211                                             | 199  |      |      |  |  |
|         |     | 1/200                                                             | 558  | 518   | 482  | 449  | 420  | 394  | 370  | 348  | 328  | 310  | 293  | 278  | 263  | 250  | 237  | 223  | 211                                             | 199  |      |      |  |  |
|         |     | 1/250                                                             | 558  | 518   | 482  | 449  | 420  | 394  | 370  | 348  | 328  | 310  | 293  | 278  | 263  | 250  | 237  | 223  | 211                                             | 199  |      |      |  |  |
| 1,50    | SLU | ULS                                                               | 987  | 914   | 849  | 791  | 739  | 692  | 649  | 610  | 574  | 542  | 512  | 480  | 450  | 422  | 397  | 374  | 353                                             | 334  |      |      |  |  |
|         |     | 1/150                                                             | 705  | 653   | 607  | 565  | 528  | 494  | 463  | 436  | 410  | 387  | 366  | 343  | 321  | 302  | 284  | 267  | 252                                             | 238  |      |      |  |  |
|         |     | 1/200                                                             | 705  | 653   | 607  | 565  | 528  | 494  | 463  | 436  | 410  | 387  | 366  | 343  | 321  | 302  | 284  | 267  | 252                                             | 238  |      |      |  |  |
|         |     | 1/250                                                             | 705  | 653   | 607  | 565  | 528  | 494  | 463  | 436  | 410  | 387  | 366  | 343  | 321  | 302  | 284  | 267  | 252                                             | 238  |      |      |  |  |



Reazione al fuoco Fire reaction **CLASS A1**  
Comportamento al fuoco dall'esterno External fire performance **Broof (t1,t2,t3)**  
Senza necessità di sottoporre a prova secondo la norma UNI EN 14782:2006. No lab test is required as per UNI EN 14782:2006.

| Sp. Th. (mm) | Jy (cm <sup>2</sup> /m) | We inf (cm <sup>2</sup> /m) | We sup (cm <sup>2</sup> /m) | Steel Kg/m <sup>2</sup> |
|--------------|-------------------------|-----------------------------|-----------------------------|-------------------------|
| 0,75         | 307,90                  | 50,27                       | 35,36                       | 9,39                    |
| 0,80         | 330,70                  | 53,79                       | 38,06                       | 10,02                   |
| 0,88         | 367,35                  | 59,43                       | 42,43                       | 11,02                   |
| 1,00         | 420,82                  | 67,90                       | 49,03                       | 12,53                   |
| 1,15         | 483,95                  | 78,03                       | 56,42                       | 14,41                   |
| 1,25         | 526,03                  | 84,75                       | 61,29                       | 15,66                   |
| 1,50         | 631,24                  | 101,49                      | 73,44                       | 18,79                   |

APPLICAZIONI APPLICATIONS  
SANDnodrip Class A2 - s1, d0 Broof (t1,t2,t3)  
SANDcontrol Class C - s1, d0 Broof (t1,t2,t3)

Tabelle di portata (daN/m<sup>2</sup>) Load tables (daN/sqm) steel s320gp

\* Valori di portata caratteristici con coefficiente di sicurezza applicato pari a:  $\gamma_f = 1,40$ . Characteristic load with an applied safety coefficient equal to:  $\gamma_f = 1,40$ .  
In rosso i valori rappresentativi della portata con inflessione limite raggiunta. The values indicated in blue are representative of the load capacity with the limit inflection reached.

| Sp. Th. (mm) | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m <sup>2</sup> ) | Span (m) / Uniformly distributed load (daN/sqm)                                           |
|--------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| mm           | CAMPATA SINGOLA                                                                | SINGLE SPAN                                                                               |
| mm           | Stato limite Limit state                                                       | 4,40 4,60 4,80 5,00 5,20 5,40 5,60 5,80 6,00 6,20 6,40 6,60 6,80 7,00 7,20 7,40 7,60 7,80 |
| 0,75         | SLU                                                                            | ULS 330 300 275 252 232 214 198 184 171 160 149 139 131 123 116 109 103 97                |
|              | SLE*                                                                           | 1/150 235 214 196 180 166 153 142 131 122 114 106 95 86 78 71 65 59 54                    |
|              | SLS*                                                                           | 1/200 235 214 196 173 152 135 120 107 95 86 77 69 63 57 51 47 42 39                       |
|              | SLS*                                                                           | 1/250 206 178 156 140 120 106 94 84 75 67 60 54 49 44 40 36 32 29                         |
|              | SLS*                                                                           | 1/300 170 147 128 112 99 87 77 69 61 54 49 44 39 35 32 28 26 23                           |
| 0,80         | SLU                                                                            | ULS 378 344 315 289 266 245 227 211 196 183 171 160 150 141 132 125 118 111               |
|              | SLE*                                                                           | 1/150 270 246 225 206 190 175 162 151 140 126 113 102 93 84 77 70 64 58                   |
|              | SLS*                                                                           | 1/200 270 246 221 185 163 145 129 115 103 92 83 75 67 61 55 50 46 42                      |
|              | SLS*                                                                           | 1/250 221 192 167 151 132 115 101 90 80 72 65 58 52 47 43 38 35 32                        |
|              | SLS*                                                                           | 1/300 183 158 138 121 106 94 83 74 66 59 52 47 42 38 34 31 28 25                          |
| 0,88         | SLU                                                                            | ULS 438 399 365 335 308 285 264 245 228 212 198 186 174 163 154 145 137 129               |
|              | SLE*                                                                           | 1/150 313 285 261 239 220 203 188 175 163 152 133 120 109 99 90 82 75 68                  |
|              | SLS*                                                                           | 1/200 313 285 248 220 192 170 151 135 120 108 97 88 79 72 65 59 54 49                     |
|              | SLS*                                                                           | 1/250 259 225 196 172 151 134 122 110 95 84 76 68 61 55 50 45 41 37                       |
|              | SLS*                                                                           | 1/300 214 186 162 142 125 110 97 86 77 69 61 55 49 44 40 36 32 29                         |
| 1,00         | SLU                                                                            | ULS 500 455 416 382 352 325 301 279 260 242 226 212 198 186 175 165 156 147               |
|              | SLE*                                                                           | 1/150 357 325 297 273 251 232 215 199 185 173 162 145 131 119 108 99 90 82                |
|              | SLS*                                                                           | 1/200 357 325 297 262 231 205 182 162 145 130 117 106 95 86 78 71 65 59                   |
|              | SLS*                                                                           | 1/250 313 271 237 210 183 162 143 128 114 102 91 82 74 67 60 55 49 45                     |
|              | SLS*                                                                           | 1/300 259 224 195 171 150 133 117 104 93 83 74 67 60 54 48 44 39 35                       |
| 1,15         | SLU                                                                            | ULS 574 523 478 439 404 373 345 321 298 278 260 243 228 214 201 190 179 169               |
|              | SLE*                                                                           | 1/150 410 374 342 314 289 266 247 229 213 198 186 167 151 137 125 114 104 95              |
|              | SLS*                                                                           | 1/200 410 374 342 302 266 236 209 187 167 150 135 122 110 99 90 82 74 68                  |
|              | SLS*                                                                           | 1/250 360 312 272 239 210 186 165 147 131 117 105 95 85 77 69 63 57 51                    |
|              | SLS*                                                                           | 1/300 297 258 225 197 173 153 135 120 107 95 85 77 69 62 56 50 45 41                      |
| 1,25         | SLU                                                                            | ULS 624 568 520 477 439 405 375 348 324 302 282 264 248 233 219 206 194 184               |
|              | SLE*                                                                           | 1/150 446 406 371 341 314 289 268 249 231 216 202 181 164 149 135 123 113 103             |
|              | SLS*                                                                           | 1/200 446 406 371 328 289 256 228 203 182 163 147 132 119 108 98 89 81 74                 |
|              | SLS*                                                                           | 1/250 391 339 296 259 228 202 179 159 142 127 114 103 93 83 75 68 62 56                   |
|              | SLS*                                                                           | 1/300 323 280 244 214 188 166 147 130 116 104 93 83 75 67 60 54 49 44                     |
| 1,50         | SLU                                                                            | ULS 748 681 623 571 526 486 450 417 388 362 338 316 297 279 262 247 233 220               |
|              | SLE*                                                                           | 1/150 534 486 445 408 376 347 321 298 277 259 242 219 197 179 163 148 135 124             |
|              | SLS*                                                                           | 1/200 534 486 445 393 347 307 273 244 218 195 176 159 143 130 118 107 97 88               |
|              | SLS*                                                                           | 1/250 469 407 355 311 274 242 215 191 171 153 137 123 111 100 91 82 74 67                 |
|              | SLS*                                                                           | 1/300 388 336 293 256 225 199 176 157 139 124 111 100 90 81 72 65 59 53                   |

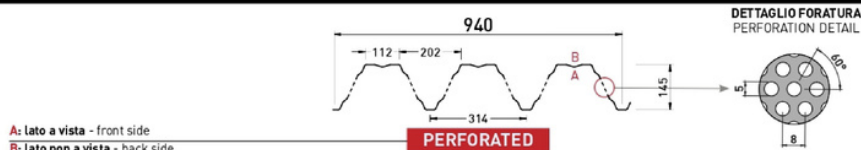
I valori riportati in tabella sono da considerarsi come indicativi, è competenza del progettista procedere per i singoli casi di verifica al relativo calcolo.

Tabelle di portata (daN/m<sup>2</sup>) Load tables (daN/sqm)

| Sp. Th. (mm) | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m <sup>2</sup> ) | Span (m) / Uniformly distributed load (daN/sqm)                                           |
|--------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| mm           | CAMPATA DOPPIA                                                                 | DOUBLE SPAN                                                                               |
| mm           | Stato limite Limit state                                                       | 4,40 4,60 4,80 5,00 5,20 5,40 5,60 5,80 6,00 6,20 6,40 6,60 6,80 7,00 7,20 7,40 7,60 7,80 |
| 0,75         | SLU                                                                            | ULS 249 232 217 205 198 185 173 161 151 143 136 129 123 117 111 106 102 97                |
|              | SLE*                                                                           | 1/150 178 166 155 146 141 132 124 115 108 102 97 92 88 83 80 76 73 70                     |
|              | SLS*                                                                           | 1/200 178 166 155 146 141 132 124 115 108 102 97 92 88 83 80 76 73 70                     |
|              | SLS*                                                                           | 1/250 178 166 155 146 141 132 124 115 108 102 97 92 88 83 80 76 73 70                     |
|              | SLS*                                                                           | 1/300 178 166 155 146 141 132 124 115 108 102 97 92 88 83 80 76 73 70                     |
| 0,80         | SLU                                                                            | ULS 286 267 249 233 222 210 198 185 173 164 156 148 140 134 128 122 116 111               |
|              | SLE*                                                                           | 1/150 205 191 178 167 159 150 141 132 124 117 111 106 100 96 91 87 83 80                  |
|              | SLS*                                                                           | 1/200 205 191 178 167 159 150 141 132 124 117 111 106 100 96 91 87 83 80                  |
|              | SLS*                                                                           | 1/250 205 191 178 167 159 150 141 132 124 117 111 106 100 96 91 87 83 80                  |
|              | SLS*                                                                           | 1/300 205 191 178 167 159 150 141 132 124 117 111 106 100 96 91 87 83 80                  |
| 0,88         | SLU                                                                            | ULS 369 344 321 300 284 272 249 235 222 210 199 189 180 171 163 155 148 142               |
|              | SLE*                                                                           | 1/150 264 245 229 214 203 194 178 168 158 150 142 135 128 122 116 111 106 101             |
|              | SLS*                                                                           | 1/200 264 245 229 214 203 194 178 168 158 150 142 135 128 122 116 111 106 101             |
|              | SLS*                                                                           | 1/250 264 245 229 214 203 194 178 168 158 150 142 135 128 122 116 111 106 101             |
|              | SLS*                                                                           | 1/300 264 245 229 214 203 194 178 168 158 150 142 135 128 122 116 111 106 101             |
| 1,00         | SLU                                                                            | ULS 459 426 397 371 348 327 307 290 273 259 245 232 221 210 200 191 182 174               |
|              | SLE*                                                                           | 1/150 328 305 284 265 249 233 219 207 195 185 175 166 158 150 143 136 130 124             |
|              | SLS*                                                                           | 1/200 328 305 284 265 249 233 219 207 195 185 175 166 158 150 143 136 130 124             |
|              | SLS*                                                                           | 1/250 328 305 284 265 249 233 219 207 195 185 175 166 158 150 143 136 130 124             |
|              | SLS*                                                                           | 1/300 328 305 284 265 249 233 219 207 195 185 175 166 158 150 143 136 130 124             |
| 1,15         | SLU                                                                            | ULS 554 514 479 447 418 392 369 347 327 309 293 277 263 250 238 227 215 203               |
|              | SLE*                                                                           | 1/150 396 367 342 319 299 280 263 248 234 221 209 198 188 179 170 162 153 145             |
|              | SLS*                                                                           | 1/200 396 367 342 319 299 280 263 248 234 221 209 198 188 179 170 162 153 145             |
|              | SLS*                                                                           | 1/250 396 367 342 319 299 280 263 248 234 221 209 198 188 179 170 162 153 145             |
|              | SLS*                                                                           | 1/300 396 367 342 319 299 280 263 248 234 221 209 198 188 179 170 162 153 145             |
| 1,25         | SLU                                                                            | ULS 618 574 534 498 466 436 410 386 364 343 325 308 292 277 263 247 233 220               |
|              | SLE*                                                                           | 1/150 442 410 381 356 333 312 293 275 260 245 232 220 208 198 188 177 167 157             |
|              | SLS*                                                                           | 1/200 442 410 381 356 333 312 293 275 260 245 232 220 208 198 188 177 167 157             |
|              | SLS*                                                                           | 1/250 442 410 381 356 333 312 293 275 260 245 232 220 208 198 188 177 167 157             |
|              | SLS*                                                                           | 1/300 442 410 381 356 333 312 293 275 260 245 232 220 208 198 188 177 167 157             |
| 1,50         | SLU                                                                            | ULS 782 724 673 626 585 548 514 483 455 429 405 386 366 343 315 296 280 264               |
|              | SLE*                                                                           | 1/150 558 517 480 447 418 391 367 345 325 306 290 271 254 239 225 212 200 189             |
|              | SLS*                                                                           | 1/200 558 517 480 447 418 391 367 345 325 306 290 271 254 239 225 212 200 189             |
|              | SLS*                                                                           | 1/250 558 517 480 447 418 391 367 345 325 306 290 271 254 239 225 212 200 189             |
|              | SLS*                                                                           | 1/300 558 517 480 447 418 391 367 345 325 306 290 271 254 239 208 190 173 159             |

| Sp. Th. (mm) | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m <sup>2</sup> ) | Span (m) / Uniformly distributed load (daN/sqm)                                           |
|--------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| mm           | CAMPATA MULTIPLA                                                               | MULTIPLE SPAN                                                                             |
| mm           | Stato limite Limit state                                                       | 4,40 4,60 4,80 5,00 5,20 5,40 5,60 5,80 6,00 6,20 6,40 6,60 6,80 7,00 7,20 7,40 7,60 7,80 |
| 0,75         | SLU                                                                            | ULS 297 277 259 245 233 220 210 195 183 172 164 156 148 141 135 129 123 118               |
|              | SLE*                                                                           | 1/150 212 198 185 175 166 157 150 139 131 123 117 111 106 101 96 92 88 84                 |
|              | SLS*                                                                           | 1/200 212 198 185 175 166 157 150 139 131 123 117 111 106 101 96 92 88 84                 |
|              | SLS*                                                                           | 1/250 212 198 185 175 166 157 150 139 131 123 117 111 106 101 96 92 88 84                 |
|              | SLS*                                                                           | 1/300 212 198 185 175 166 157 150 139 131 123 112 101 92 83 76 69 63 57                   |
| 0,80         | SLU                                                                            | ULS 343 320 299 284 263 248 233 222 210 198 188 178 170 162 154 147 141 135               |
|              | SLE*                                                                           | 1/150 245 228 213 203 188 177 167 159 150 141 134 127 121 116 110 105 101 96              |
|              | SLS*                                                                           | 1/200 245 228 213 203 188 177 167 159 150 141 134 127 121 116 110 105 101 96              |
|              | SLS*                                                                           | 1/250 245 228 213 203 188 177 167 159 150 141 134 127 121 109 100 91 83 76                |
|              | SLS*                                                                           | 1/300 245 228 213 203 188 177 167 159 150 134 121 109 99 89 81 74 68 62                   |
| 0,88         | SLU                                                                            | ULS 442 412 385 362 349 323 311 284 272 260 241 229 217 207 197 188 180 172               |
|              | SLE*                                                                           | 1/150 316 294 275 259 249 231 222 203 194 186 172 163 155 148 141 135 129 123             |
|              | SLS*                                                                           | 1/200 316 294 275 259 249 231 222 203 194 186 172 163 155 148 141 129 118 108             |
|              | SLS*                                                                           | 1/250 316 294 275 259 249 231 222 203 194 186 163 147 134 121 111 101 92 85               |
|              | SLS*                                                                           | 1/300 316 294 275 259 249 231 222 185 165 149 134 121 110 90 82 75 69                     |
| 1,00         | SLU                                                                            | ULS 551 513 479 448 420 394 371 350 331 313 297 282 268 255 243 232 221 212               |
|              | SLE*                                                                           | 1/150 394 366 342 320 300 282 265 250 236 224 212 201 191 182 173 166 158 151             |
|              | SLS*                                                                           | 1/200 394 366 342 320 300 282 265 250 236 224 212 201 191 182 162 148 135 124             |
|              | SLS*                                                                           | 1/250 394 366 342 320 300 282 265 250 236 207 187 169 153 139 127 116 106 97              |
|              | SLS*                                                                           | 1/300 394 366 342 320 300 282 237 211 190 174 159 139 126 114 104 95 86 79                |
| 1,15         | SLU                                                                            | ULS 668 621 578 540 506 475 447 421 397 376 356 337 320 305 290 277 264 252               |
|              | SLE*                                                                           | 1/150 477 443 413 386 361 339 319 301 284 268 254 241 229 218 207 198 189 180             |
|              | SLS*                                                                           | 1/200 477 443 413 386 361 339 319 301 284 238 215 194 175 160 146 133 122 111             |
|              | SLS*                                                                           | 1/250 477 443 413 386 361 306 272 243 218 196 177 160 145 131 119 109 99 91               |
| 1,25         | SLU                                                                            | ULS 746 693 645 603 564 529 497 468 442 417 395 375 356 338 322 307 292 279               |
|              | SLE*                                                                           | 1/150 533 495 461 430 403 378 355 334 316 298 282 268 254 241 230 219 209 200             |
|              | SLS*                                                                           | 1/200 533 495 461 430 403 378 355 334 316 298 282 268 254 221 202 185 169 155             |
|              | SLS*                                                                           | 1/250 533 495 461 430 403 378 355 334 287 258 233 211 191 174 159 145 132 121             |
|              | SLS*                                                                           | 1/300 533 495 461 430 375 332 296 264 237 213 192 173 157 143 130 118 108 99              |
| 1,50         | SLU                                                                            | ULS 947 878 816 761 711 666 625 588 554 523 495 468 444 422 399 376 355 336               |
|              | SLE*                                                                           | 1/150 676 627 583 543 508 476 447 420 396 374 353 335 317 301 285 269 254 240             |
|              | SLS*                                                                           | 1/200 676 627 583 543 508 476 447 420 396 374 353 335 292 266 242 221 203 186             |
|              | SLS*                                                                           | 1/250 676 627 583 543 508 476 447 384 345 310 280 253 230 209 190 174 159 145             |
|              | SLS*                                                                           | 1/300 676 627 583 543 508 399 355 317 284 256 230 208 189 171 156 142 129 118             |

The values shown in the table must be considered as indicative, the designer has the responsibility to proceed with the relevant calculation in any individual cases.



A: lato a vista - front side  
B: lato non a vista - back side

**Reazione al fuoco Fire reaction**  
**CLASS A1**

**Comportamento al fuoco dall'esterno External fire performance**  
**Broof (t1,t2,t3)**

Senza necessità di sottoporre a prova secondo la norma UNI EN 14782:2006. No lab test is required as per UNI EN 14782:2006.

#### DATI STATICI STATIC DATA PESO WEIGHT

| Sp. Th.<br>(mm) | Jy<br>(cm <sup>2</sup> /m) | We inf<br>(cm <sup>2</sup> /m) | We sup<br>(cm <sup>2</sup> /m) | Steel<br>Kg/m <sup>2</sup> |
|-----------------|----------------------------|--------------------------------|--------------------------------|----------------------------|
| 0,75            | 291,46                     | 32,48                          | 50,53                          | 8,93                       |
| 0,80            | 313,36                     | 35,02                          | 54,04                          | 9,53                       |
| 0,88            | 348,65                     | 39,19                          | 59,67                          | 10,48                      |
| 1,00            | 401,91                     | 45,34                          | 68,11                          | 11,91                      |
| 1,15            | 462,75                     | 52,19                          | 78,26                          | 13,70                      |
| 1,25            | 502,99                     | 56,69                          | 85,00                          | 14,89                      |
| 1,50            | 603,59                     | 67,94                          | 101,78                         | 17,86                      |

Valori riferiti alla versione | Values referred to version **PERFORATED**

APPLICAZIONI  
APPLICATIONS

**SANDnodrip**  
Class A2 - s1, d0 🔥 Broof (t1,t2,t3)

**SANDcontrol**  
Class C - s1, d0 🔥 Broof (t1,t2,t3)

#### Tabelle di portata (daN/m<sup>2</sup>) Load tables (daN/sqm)

steel s320GD

\* Valori di portata caratteristici con coefficiente di sicurezza applicato pari a:  $\gamma_s = 1,40$ . Characteristic load with an applied safety coefficient equal to:  $\gamma_s = 1,40$ .

In rosso i valori rappresentativi della portata con inflessione limite raggiunta. The values indicated in blue are representative of the load capacity with the limit inflection reached.

| Larghezza appoggio esterno: 100 mm |      | End support width: 100 mm                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------------------|------|-------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Sp. Th.                            |      | Span (m) / Uniformly distributed load (daN/sqm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| mm                                 |      | SINGLE SPAN                                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| CAMPATA SINGOLA                    |      | 4,40                                            | 4,60 | 4,80 | 5,00 | 5,20 | 5,40 | 5,60 | 5,80 | 6,00 | 6,20 | 6,40 | 6,60 | 6,80 | 7,00 | 7,20 | 7,40 | 7,60 | 7,80 |
| 0,75                               | SLU  | 278                                             | 253  | 231  | 212  | 195  | 180  | 167  | 155  | 144  | 134  | 126  | 117  | 110  | 103  | 97   | 92   | 86   | 82   |
|                                    | SLE* | 198                                             | 181  | 165  | 150  | 132  | 115  | 101  | 90   | 80   | 72   | 65   | 58   | 53   | 48   | 43   | 39   | 36   | 32   |
|                                    | SLS* | 173                                             | 150  | 131  | 115  | 101  | 93   | 81   | 71   | 63   | 56   | 51   | 45   | 41   | 37   | 33   | 30   | 27   | 25   |
|                                    | SLU  | 143                                             | 124  | 108  | 95   | 83   | 73   | 65   | 58   | 51   | 46   | 41   | 37   | 33   | 30   | 27   | 24   | 22   | 19   |
| 0,80                               | SLU  | 318                                             | 290  | 265  | 243  | 224  | 207  | 191  | 178  | 165  | 154  | 143  | 135  | 126  | 119  | 112  | 105  | 99   | 94   |
|                                    | SLE* | 227                                             | 207  | 189  | 174  | 160  | 148  | 137  | 127  | 118  | 106  | 95   | 86   | 78   | 71   | 64   | 59   | 54   | 49   |
|                                    | SLS* | 186                                             | 161  | 141  | 123  | 112  | 100  | 85   | 76   | 68   | 61   | 54   | 49   | 44   | 40   | 36   | 32   | 29   | 27   |
|                                    | SLU  | 154                                             | 133  | 116  | 102  | 89   | 79   | 70   | 62   | 55   | 49   | 44   | 40   | 35   | 32   | 29   | 26   | 23   | 21   |
| 0,88                               | SLU  | 369                                             | 336  | 308  | 282  | 260  | 240  | 222  | 206  | 192  | 179  | 167  | 156  | 147  | 138  | 129  | 122  | 115  | 109  |
|                                    | SLE* | 264                                             | 240  | 220  | 202  | 186  | 171  | 159  | 147  | 137  | 128  | 112  | 101  | 92   | 83   | 76   | 69   | 63   | 58   |
|                                    | SLS* | 218                                             | 189  | 165  | 145  | 130  | 116  | 102  | 90   | 81   | 71   | 64   | 57   | 52   | 47   | 42   | 38   | 34   | 31   |
|                                    | SLU  | 181                                             | 156  | 136  | 119  | 105  | 93   | 82   | 73   | 65   | 58   | 52   | 46   | 42   | 37   | 34   | 30   | 27   | 25   |
| 1,00                               | SLU  | 421                                             | 383  | 351  | 322  | 296  | 273  | 253  | 235  | 219  | 204  | 190  | 178  | 167  | 157  | 148  | 139  | 131  | 124  |
|                                    | SLE* | 301                                             | 274  | 250  | 230  | 212  | 195  | 181  | 168  | 156  | 146  | 136  | 122  | 110  | 100  | 91   | 83   | 76   | 69   |
|                                    | SLS* | 263                                             | 228  | 199  | 175  | 154  | 136  | 121  | 110  | 100  | 88   | 77   | 69   | 62   | 56   | 51   | 46   | 42   | 38   |
|                                    | SLU  | 218                                             | 189  | 164  | 144  | 127  | 112  | 99   | 88   | 78   | 70   | 63   | 56   | 50   | 45   | 41   | 37   | 33   | 30   |
| 1,15                               | SLU  | 484                                             | 441  | 403  | 370  | 340  | 314  | 291  | 270  | 251  | 234  | 219  | 205  | 192  | 180  | 170  | 160  | 151  | 142  |
|                                    | SLE* | 345                                             | 315  | 288  | 264  | 243  | 224  | 208  | 193  | 179  | 167  | 156  | 140  | 127  | 115  | 105  | 96   | 87   | 80   |
|                                    | SLS* | 303                                             | 263  | 229  | 204  | 180  | 160  | 143  | 125  | 110  | 100  | 89   | 80   | 72   | 65   | 58   | 53   | 48   | 43   |
|                                    | SLU  | 250                                             | 217  | 189  | 166  | 146  | 128  | 114  | 101  | 90   | 80   | 72   | 64   | 58   | 52   | 47   | 42   | 38   | 34   |
| 1,25                               | SLU  | 525                                             | 478  | 438  | 402  | 370  | 341  | 316  | 293  | 273  | 254  | 238  | 222  | 209  | 196  | 184  | 174  | 164  | 155  |
|                                    | SLE* | 375                                             | 342  | 313  | 287  | 264  | 244  | 226  | 209  | 195  | 182  | 170  | 152  | 138  | 125  | 114  | 104  | 95   | 87   |
|                                    | SLS* | 329                                             | 286  | 249  | 218  | 192  | 170  | 151  | 134  | 120  | 107  | 96   | 87   | 78   | 70   | 64   | 57   | 52   | 47   |
|                                    | SLU  | 272                                             | 236  | 206  | 180  | 158  | 140  | 124  | 110  | 98   | 87   | 78   | 70   | 63   | 57   | 51   | 46   | 41   | 37   |
| 1,50                               | SLU  | 630                                             | 573  | 524  | 481  | 443  | 409  | 379  | 351  | 327  | 305  | 285  | 267  | 250  | 235  | 221  | 208  | 196  | 185  |
|                                    | SLE* | 450                                             | 410  | 375  | 344  | 316  | 292  | 270  | 251  | 234  | 218  | 203  | 183  | 166  | 150  | 137  | 125  | 114  | 104  |
|                                    | SLS* | 400                                             | 359  | 325  | 291  | 262  | 236  | 214  | 194  | 174  | 158  | 143  | 124  | 109  | 99   | 90   | 82   | 74   | 67   |
|                                    | SLU  | 327                                             | 283  | 247  | 216  | 190  | 168  | 148  | 132  | 117  | 105  | 94   | 84   | 75   | 68   | 61   | 55   | 50   | 45   |

I valori riportati in tabella sono da considerarsi come indicativi, è competenza del progettista procedere per i singoli casi di verifica al relativo calcolo.

#### Tabelle di portata (daN/m<sup>2</sup>) Load tables (daN/sqm)

Larghezza appoggio intermedio: 200 mm - Larghezza appoggio esterno: 100 mm Internal support width: 200 mm - End support width: 100 mm

| Sp. Th.        |      | Span (m) / Uniformly distributed load (daN/sqm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------|------|-------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| mm             |      | DOUBLE SPAN                                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| CAMPATA DOPPIA |      | 4,40                                            | 4,60 | 4,80 | 5,00 | 5,20 | 5,40 | 5,60 | 5,80 | 6,00 | 6,20 | 6,40 | 6,60 | 6,80 | 7,00 | 7,20 | 7,40 | 7,60 | 7,80 |
| 0,75           | SLU  | 209                                             | 195  | 182  | 174  | 169  | 156  | 146  | 135  | 127  | 120  | 114  | 109  | 103  | 98   | 94   | 90   | 86   | 82   |
|                | SLE* | 150                                             | 139  | 130  | 124  | 121  | 111  | 104  | 97   | 91   | 86   | 82   | 78   | 74   | 70   | 67   | 64   | 61   | 59   |
|                | SLS* | 150                                             | 139  | 130  | 124  | 121  | 111  | 104  | 97   | 91   | 86   | 82   | 78   | 74   | 70   | 67   | 64   | 61   | 59   |
|                | SLU  | 150                                             | 139  | 130  | 124  | 121  | 111  | 104  | 97   | 91   | 86   | 82   | 78   | 74   | 70   | 67   | 64   | 61   | 59   |
| 0,80           | SLU  | 241                                             | 225  | 210  | 196  | 187  | 179  | 169  | 157  | 146  | 140  | 131  | 124  | 118  | 113  | 107  | 103  | 98   | 94   |
|                | SLE* | 172                                             | 160  | 150  | 140  | 134  | 128  | 121  | 112  | 104  | 100  | 94   | 89   | 84   | 80   | 77   | 73   | 70   | 67   |
|                | SLS* | 172                                             | 160  | 150  | 140  | 134  | 128  | 121  | 112  | 104  | 100  | 94   | 89   | 84   | 80   | 77   | 73   | 70   | 67   |
|                | SLU  | 172                                             | 160  | 150  | 140  | 134  | 128  | 121  | 112  | 104  | 100  | 94   | 89   | 84   | 80   | 77   | 73   | 70   | 67   |
| 0,88           | SLU  | 311                                             | 289  | 270  | 253  | 238  | 227  | 210  | 198  | 187  | 177  | 168  | 159  | 151  | 144  | 137  | 131  | 125  | 119  |
|                | SLE* | 222                                             | 207  | 193  | 180  | 170  | 162  | 150  | 141  | 133  | 126  | 120  | 114  | 108  | 103  | 98   | 93   | 89   | 85   |
|                | SLS* | 222                                             | 207  | 193  | 180  | 170  | 162  | 150  | 141  | 133  | 126  | 120  | 114  | 108  | 103  | 98   | 93   | 89   | 85   |
|                | SLU  | 222                                             | 207  | 193  | 180  | 170  | 162  | 150  | 141  | 133  | 126  | 120  | 114  | 108  | 103  | 98   | 93   | 89   | 85   |
| 1,00           | SLU  | 386                                             | 359  | 335  | 313  | 293  | 275  | 259  | 244  | 230  | 218  | 206  | 196  | 186  | 177  | 168  | 161  | 153  | 146  |
|                | SLE* | 276                                             | 256  | 239  | 223  | 209  | 196  | 185  | 174  | 164  | 156  | 147  | 140  | 133  | 126  | 120  | 115  | 109  | 105  |
|                | SLS* | 276                                             | 256  | 239  | 223  | 209  | 196  | 185  | 174  | 164  | 156  | 147  | 140  | 133  | 126  | 120  | 115  | 109  | 105  |
|                | SLU  | 276                                             | 256  | 239  | 223  | 209  | 196  | 185  | 174  | 164  | 156  | 147  | 140  | 133  | 126  | 120  | 115  | 109  | 105  |
| 1,15           | SLU  | 467                                             | 433  | 403  | 376  | 352  | 330  | 310  | 292  | 276  | 261  | 247  | 234  | 222  | 211  | 201  | 191  | 181  | 171  |
|                | SLE* | 333                                             | 309  | 288  | 269  | 252  | 236  | 222  | 209  | 197  | 186  | 176  | 167  | 158  | 151  | 143  | 137  | 129  | 122  |
|                | SLS* | 333                                             | 309  | 288  | 269  | 252  | 236  | 222  | 209  | 197  | 186  | 176  | 167  | 158  | 151  | 143  | 137  | 129  | 122  |
|                | SLU  | 333                                             | 309  | 288  | 269  | 252  | 236  | 222  | 209  | 197  | 186  | 176  | 167  | 158  | 151  | 143  | 137  | 129  | 122  |
| 1,25           | SLU  | 521                                             | 483  | 449  | 419  | 392  | 367  | 345  | 325  | 306  | 289  | 273  | 259  | 246  | 234  | 221  | 208  | 196  | 186  |
|                | SLE* | 372                                             | 345  | 321  | 299  | 280  | 262  | 246  | 232  | 219  | 206  | 195  | 185  | 176  | 167  | 158  | 149  | 140  | 133  |
|                | SLS* | 372                                             | 345  | 321  | 299  | 280  | 262  | 246  | 232  | 219  | 206  | 195  | 185  | 176  | 167  | 158  | 149  | 140  | 133  |
|                | SLU  | 372                                             | 345  | 321  | 299  | 280  | 262  | 246  | 232  | 219  | 206  | 195  | 185  | 176  | 167  | 158  | 149  | 140  | 133  |
| 1,50           | SLU  | 658                                             | 610  | 566  | 528  | 493  | 461  | 433  | 407  | 383  | 361  | 341  | 320  | 300  | 282  | 265  | 250  | 235  | 222  |
|                | SLE* | 470                                             | 435  | 405  | 377  | 352  | 329  | 309  | 290  | 273  | 258  | 244  | 228  | 214  | 201  | 189  | 178  | 168  | 159  |
|                | SLS* | 470                                             | 435  | 405  | 377  | 352  | 329  | 309  | 290  | 273  | 258  | 244  | 228  | 214  | 201  | 189  | 178  | 168  | 159  |
|                | SLU  | 470                                             | 435  | 405  | 377  | 352  | 329  | 309  | 290  | 273  | 258  | 244  | 228  | 214  | 201  | 189  | 178  | 168  | 159  |

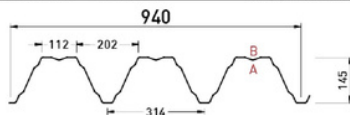
Larghezza appoggio intermedio: 200 mm - Larghezza appoggio esterno: 100 mm Internal support width: 200 mm - End support width: 100 mm

Larghezza appoggi: intermedio = 450 mm | esterno = 225 mm

Support width: Internal = 450 mm | End = 225 mm

Tabelle di portata (daN/m²) Load tables (daN/sqmm)

steel S320GD



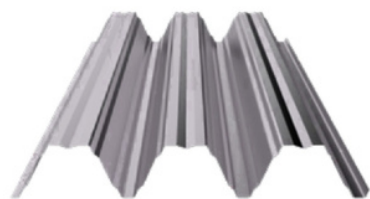
A: lato a vista - front side

B: lato non a vista - back side

POSITIVE

Reazione al fuoco Fire reaction  
CLASS A1Comportamento al fuoco dall'esterno External fire performance  
Broof (t1,t2,t3)

Senza necessità di sottoporre a prova secondo la norma UNI EN 14782:2006. No lab test is required as per UNI EN 14782:2006.

APPLICAZIONI  
APPLICATIONSSANDnodrip  
Class A2 - s1, d0 Broof (t1,t2,t3)SANDcontrol  
Class C - s1, d0 Broof (t1,t2,t3)

DATI STATICI STATIC DATA PESO WEIGHT

| Sp. Th.<br>(mm) | Jy<br>(cm²/m) | We inf<br>(cm²/m) | We sup<br>(cm²/m) | Steel<br>Kg/m² |
|-----------------|---------------|-------------------|-------------------|----------------|
| 0,75            | 307,90        | 35,36             | 50,27             | 9,39           |
| 0,80            | 330,70        | 38,06             | 53,79             | 10,02          |
| 0,88            | 367,35        | 42,43             | 59,43             | 11,02          |
| 1,00            | 420,82        | 49,03             | 67,90             | 12,53          |
| 1,15            | 483,95        | 56,42             | 78,03             | 14,41          |
| 1,25            | 526,03        | 61,29             | 84,75             | 15,66          |
| 1,50            | 631,24        | 73,44             | 101,49            | 18,79          |

Tabelle di portata (daN/m²) Load tables (daN/sqmm)

steel S320GD

\* Valori di portata caratteristici con coefficiente di sicurezza applicato pari a:  $\gamma_c = 1,40$ . Characteristic load with an applied safety coefficient equal to:  $\gamma_c = 1,40$ .

In rosso i valori rappresentativi della portata con inflessione limite raggiunta. The values indicated in blue are representative of the load capacity with the limit inflection reached.

Larghezza appoggio esterno: 225 mm End support width: 225 mm

| Sp. Th.<br>mm | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m²) |       |      |      |      |      |      |      |      |      | Span (m) / Uniformly distributed load (daN/sqm) |      |      |      |      |      |      |      |      |     |
|---------------|-------------------------------------------------------------------|-------|------|------|------|------|------|------|------|------|-------------------------------------------------|------|------|------|------|------|------|------|------|-----|
|               | CAMPATA SINGOLA                                                   |       |      |      |      |      |      |      |      |      | SINGLE SPAN                                     |      |      |      |      |      |      |      |      |     |
| mm            | Stato limite Limit state                                          | 4.40  | 4.60 | 4.80 | 5.00 | 5.20 | 5.40 | 5.60 | 5.80 | 6.00 | 6.20                                            | 6.40 | 6.60 | 6.80 | 7.00 | 7.20 | 7.40 | 7.60 | 7.80 |     |
| 0,75          | SLU                                                               | ULS   | 364  | 332  | 303  | 278  | 256  | 237  | 219  | 203  | 189                                             | 176  | 165  | 154  | 145  | 136  | 128  | 120  | 113  | 107 |
|               | SLE*<br>SLS*                                                      | 1/150 | 260  | 237  | 217  | 199  | 183  | 169  | 156  | 145  | 135                                             | 126  | 118  | 105  | 95   | 86   | 79   | 72   | 65   | 60  |
|               |                                                                   | 1/200 | 260  | 237  | 217  | 191  | 168  | 149  | 132  | 118  | 106                                             | 96   | 85   | 77   | 69   | 63   | 57   | 52   | 47   | 43  |
|               |                                                                   | 1/250 | 227  | 197  | 172  | 151  | 133  | 117  | 104  | 93   | 83                                              | 74   | 66   | 60   | 54   | 48   | 44   | 40   | 36   | 32  |
| 0,80          | SLU                                                               | ULS   | 418  | 380  | 348  | 319  | 294  | 271  | 251  | 233  | 217                                             | 202  | 189  | 177  | 166  | 156  | 146  | 138  | 130  | 123 |
|               | SLE*<br>SLS*                                                      | 1/150 | 298  | 272  | 248  | 228  | 210  | 194  | 179  | 167  | 155                                             | 139  | 125  | 113  | 102  | 93   | 85   | 77   | 70   | 64  |
|               |                                                                   | 1/200 | 298  | 272  | 233  | 205  | 181  | 160  | 142  | 127  | 113                                             | 102  | 91   | 82   | 74   | 67   | 61   | 55   | 50   | 46  |
|               |                                                                   | 1/250 | 244  | 212  | 185  | 162  | 143  | 126  | 112  | 100  | 89                                              | 79   | 71   | 64   | 58   | 52   | 47   | 42   | 38   | 35  |
| 0,88          | SLU                                                               | ULS   | 485  | 441  | 404  | 370  | 341  | 315  | 291  | 270  | 252                                             | 235  | 219  | 205  | 192  | 181  | 170  | 160  | 151  | 143 |
|               | SLE*<br>SLS*                                                      | 1/150 | 346  | 315  | 288  | 265  | 244  | 225  | 208  | 193  | 180                                             | 168  | 157  | 147  | 133  | 120  | 109  | 99   | 90   | 83  |
|               |                                                                   | 1/200 | 346  | 315  | 274  | 240  | 212  | 188  | 167  | 149  | 133                                             | 119  | 107  | 97   | 87   | 79   | 72   | 65   | 59   | 54  |
|               |                                                                   | 1/250 | 287  | 249  | 217  | 190  | 167  | 148  | 131  | 117  | 104                                             | 93   | 84   | 75   | 68   | 61   | 55   | 50   | 45   | 41  |
| 1,00          | SLU                                                               | ULS   | 579  | 527  | 482  | 442  | 407  | 376  | 348  | 323  | 301                                             | 280  | 262  | 245  | 230  | 216  | 203  | 191  | 180  | 170 |
|               | SLE*<br>SLS*                                                      | 1/150 | 413  | 377  | 344  | 316  | 291  | 269  | 249  | 231  | 215                                             | 200  | 187  | 168  | 152  | 138  | 125  | 114  | 104  | 95  |
|               |                                                                   | 1/200 | 413  | 377  | 344  | 304  | 268  | 237  | 211  | 188  | 168                                             | 151  | 136  | 122  | 111  | 100  | 91   | 82   | 75   | 68  |
|               |                                                                   | 1/250 | 362  | 314  | 274  | 240  | 212  | 187  | 166  | 148  | 132                                             | 118  | 106  | 95   | 86   | 77   | 70   | 63   | 57   | 52  |
| 1,15          | SLU                                                               | ULS   | 665  | 606  | 554  | 508  | 468  | 432  | 400  | 371  | 345                                             | 322  | 301  | 282  | 264  | 248  | 233  | 220  | 207  | 196 |
|               | SLE*<br>SLS*                                                      | 1/150 | 475  | 433  | 396  | 363  | 334  | 309  | 286  | 265  | 247                                             | 230  | 215  | 193  | 175  | 159  | 144  | 132  | 120  | 110 |
|               |                                                                   | 1/200 | 475  | 433  | 396  | 349  | 308  | 273  | 242  | 216  | 193                                             | 174  | 156  | 141  | 127  | 115  | 104  | 95   | 86   | 78  |
|               |                                                                   | 1/250 | 416  | 361  | 315  | 276  | 243  | 215  | 191  | 170  | 152                                             | 136  | 122  | 109  | 99   | 89   | 80   | 73   | 66   | 60  |
| 1,25          | SLU                                                               | ULS   | 722  | 658  | 602  | 552  | 508  | 469  | 434  | 403  | 375                                             | 350  | 327  | 306  | 287  | 269  | 253  | 239  | 225  | 213 |
|               | SLE*<br>SLS*                                                      | 1/150 | 516  | 470  | 430  | 394  | 363  | 335  | 310  | 288  | 268                                             | 250  | 233  | 210  | 190  | 172  | 157  | 143  | 131  | 119 |
|               |                                                                   | 1/200 | 516  | 470  | 430  | 380  | 335  | 296  | 263  | 235  | 210                                             | 189  | 170  | 153  | 138  | 125  | 113  | 103  | 94   | 85  |
|               |                                                                   | 1/250 | 453  | 393  | 343  | 300  | 264  | 234  | 207  | 185  | 165                                             | 147  | 132  | 119  | 107  | 97   | 87   | 79   | 72   | 65  |
| 1,50          | SLU                                                               | ULS   | 866  | 789  | 721  | 662  | 609  | 562  | 521  | 483  | 449                                             | 419  | 392  | 366  | 344  | 323  | 304  | 286  | 270  | 255 |
|               | SLE*<br>SLS*                                                      | 1/150 | 618  | 563  | 515  | 473  | 435  | 402  | 372  | 345  | 321                                             | 299  | 280  | 252  | 228  | 207  | 188  | 172  | 157  | 143 |
|               |                                                                   | 1/200 | 618  | 563  | 515  | 456  | 402  | 356  | 316  | 282  | 252                                             | 226  | 204  | 184  | 166  | 150  | 136  | 124  | 112  | 102 |
|               |                                                                   | 1/250 | 543  | 471  | 411  | 360  | 317  | 281  | 249  | 222  | 198                                             | 177  | 159  | 143  | 129  | 116  | 105  | 95   | 86   | 78  |
|               |                                                                   | 1/300 | 449  | 389  | 339  | 297  | 261  | 230  | 204  | 181  | 161                                             | 147  | 129  | 116  | 104  | 93   | 84   | 76   | 68   | 61  |

I valori riportati in tabella sono da considerarsi come indicativi, è competenza del progettista procedere per i singoli casi di verifica al relativo calcolo.

Larghezza appoggio intermedio: 450 mm - Larghezza appoggio esterno: 225 mm

Internal support width: 450 mm - End support width: 225 mm

| Sp. Th.<br>mm | Interasse appoggi (m) / Carico uniformemente distribuito (daN/m²) |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Span (m) / Uniformly distributed load (daN/sq/m) |      |  |  |  |  |  |  |  |  |
|---------------|-------------------------------------------------------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------------------|------|--|--|--|--|--|--|--|--|
|               | CAMPATA DOPPIA                                                    |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | DOUBLE SPAN                                      |      |  |  |  |  |  |  |  |  |
|               | Stato limite                                                      | Lim1 state | 4,40 | 4,60 | 4,80 | 5,00 | 5,20 | 5,40 | 5,60 | 5,80 | 6,00 | 6,20 | 6,40 | 6,60 | 6,80 | 7,00 | 7,20 | 7,40 | 7,60                                             | 7,80 |  |  |  |  |  |  |  |  |
| 0,75          | SLU                                                               | ULS        | 322  | 300  | 280  | 268  | 258  | 243  | 224  | 208  | 196  | 185  | 176  | 167  | 159  | 151  | 144  | 138  | 132                                              | 126  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 230  | 214  | 200  | 191  | 184  | 174  | 160  | 148  | 140  | 132  | 125  | 119  | 113  | 108  | 103  | 98   | 94                                               | 90   |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 230  | 214  | 200  | 191  | 184  | 174  | 160  | 148  | 140  | 132  | 125  | 119  | 113  | 108  | 103  | 98   | 94                                               | 90   |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 230  | 214  | 200  | 191  | 184  | 174  | 160  | 148  | 140  | 132  | 125  | 119  | 113  | 108  | 103  | 98   | 94                                               | 90   |  |  |  |  |  |  |  |  |
| 0,80          | SLU                                                               | ULS        | 368  | 343  | 320  | 300  | 285  | 272  | 258  | 238  | 222  | 211  | 200  | 190  | 180  | 172  | 164  | 156  | 149                                              | 143  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 263  | 245  | 229  | 214  | 204  | 194  | 184  | 170  | 159  | 150  | 143  | 135  | 129  | 123  | 117  | 112  | 107                                              | 102  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 263  | 245  | 229  | 214  | 204  | 194  | 184  | 170  | 159  | 150  | 143  | 135  | 129  | 123  | 117  | 112  | 107                                              | 102  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 263  | 245  | 229  | 214  | 204  | 194  | 184  | 170  | 159  | 150  | 143  | 135  | 129  | 123  | 117  | 112  | 107                                              | 102  |  |  |  |  |  |  |  |  |
| 0,88          | SLU                                                               | ULS        | 447  | 416  | 388  | 363  | 342  | 327  | 301  | 284  | 271  | 254  | 241  | 229  | 217  | 207  | 197  | 188  | 180                                              | 172  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 319  | 297  | 277  | 259  | 244  | 233  | 215  | 203  | 194  | 181  | 172  | 163  | 155  | 148  | 141  | 134  | 128                                              | 123  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 319  | 297  | 277  | 259  | 244  | 233  | 215  | 203  | 194  | 181  | 172  | 163  | 155  | 148  | 141  | 134  | 128                                              | 123  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 319  | 297  | 277  | 259  | 244  | 233  | 215  | 203  | 194  | 181  | 172  | 163  | 155  | 148  | 141  | 134  | 128                                              | 123  |  |  |  |  |  |  |  |  |
| 1,00          | SLU                                                               | ULS        | 555  | 516  | 481  | 450  | 421  | 395  | 372  | 351  | 334  | 313  | 296  | 281  | 267  | 254  | 242  | 231  | 220                                              | 211  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 396  | 369  | 344  | 321  | 301  | 282  | 266  | 250  | 238  | 224  | 212  | 201  | 191  | 182  | 173  | 165  | 157                                              | 150  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 396  | 369  | 344  | 321  | 301  | 282  | 266  | 250  | 238  | 224  | 212  | 201  | 191  | 182  | 173  | 165  | 157                                              | 150  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 396  | 369  | 344  | 321  | 301  | 282  | 266  | 250  | 238  | 224  | 212  | 201  | 191  | 182  | 173  | 165  | 157                                              | 150  |  |  |  |  |  |  |  |  |
| 1,15          | SLU                                                               | ULS        | 671  | 623  | 580  | 541  | 506  | 475  | 446  | 420  | 396  | 374  | 354  | 336  | 319  | 303  | 288  | 275  | 260                                              | 246  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 479  | 445  | 414  | 387  | 362  | 339  | 319  | 300  | 283  | 267  | 253  | 240  | 228  | 216  | 206  | 196  | 186                                              | 175  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 479  | 445  | 414  | 387  | 362  | 339  | 319  | 300  | 283  | 267  | 253  | 240  | 228  | 216  | 206  | 196  | 186                                              | 175  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 479  | 445  | 414  | 387  | 362  | 339  | 319  | 300  | 283  | 267  | 253  | 240  | 228  | 216  | 206  | 196  | 186                                              | 175  |  |  |  |  |  |  |  |  |
| 1,25          | SLU                                                               | ULS        | 781  | 725  | 674  | 629  | 588  | 551  | 518  | 487  | 459  | 434  | 410  | 389  | 369  | 350  | 332  | 312  | 295                                              | 278  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 558  | 518  | 482  | 449  | 420  | 394  | 370  | 348  | 328  | 310  | 293  | 278  | 263  | 250  | 237  | 223  | 211                                              | 199  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 558  | 518  | 482  | 449  | 420  | 394  | 370  | 348  | 328  | 310  | 293  | 278  | 263  | 250  | 237  | 223  | 211                                              | 199  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 558  | 518  | 482  | 449  | 420  | 394  | 370  | 348  | 328  | 310  | 293  | 278  | 263  | 250  | 237  | 223  | 211                                              | 199  |  |  |  |  |  |  |  |  |
| 1,50          | SLU                                                               | ULS        | 987  | 914  | 849  | 791  | 739  | 692  | 649  | 610  | 574  | 542  | 512  | 480  | 450  | 422  | 397  | 374  | 353                                              | 334  |  |  |  |  |  |  |  |  |
|               | SLE*<br>SL.S*                                                     | 1/150      | 705  | 653  | 607  | 565  | 528  | 494  | 463  | 436  | 410  | 387  | 366  | 343  | 321  | 302  | 284  | 267  | 252                                              | 238  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/200      | 705  | 653  | 607  | 565  | 528  | 494  | 463  | 436  | 410  | 387  | 366  | 343  | 321  | 302  | 284  | 267  | 252                                              | 238  |  |  |  |  |  |  |  |  |
|               |                                                                   | 1/250      | 705  | 653  | 607  | 565  | 528  | 494  | 463  | 436  | 410  | 387  | 366  | 343  | 321  | 302  | 284  | 267  | 252                                              | 238  |  |  |  |  |  |  |  |  |