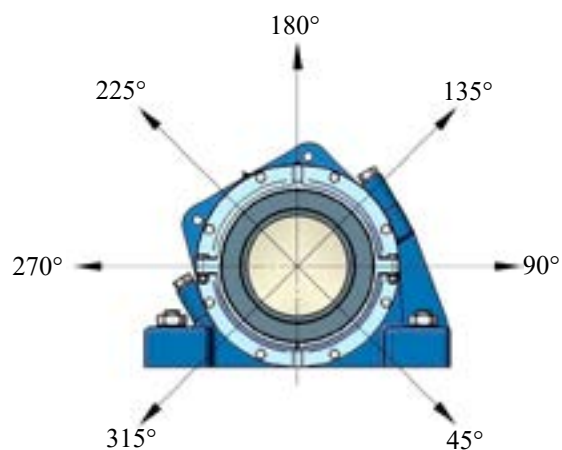
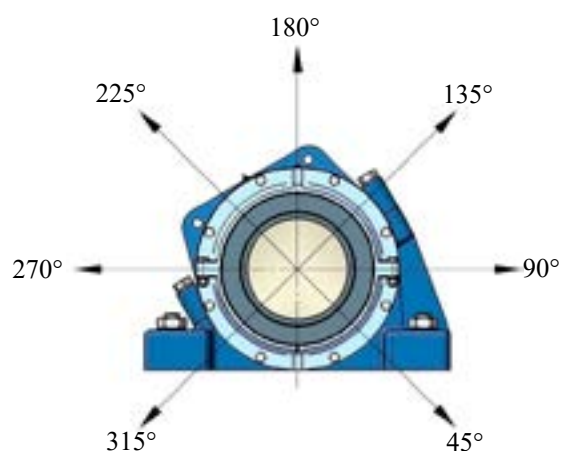


## Resistencia de las cajas HSBP 30K - Bipartidas a 30° (Pernos de unión clase 8.8)



| Tamaño de la caja | Resistencia a la tracción KN |      |      |      |      |      |      |
|-------------------|------------------------------|------|------|------|------|------|------|
|                   | 45°                          | 90°  | 135° | 180° | 225° | 270° | 315° |
| 9                 | 442                          | 238  | 130  | 120  | 89   | 125  | 180  |
| 10                | 464                          | 251  | 140  | 133  | 92   | 138  | 185  |
| 11                | 476                          | 264  | 149  | 135  | 96   | 140  | 192  |
| 13                | 500                          | 280  | 157  | 139  | 98   | 149  | 198  |
| 15                | 521                          | 315  | 468  | 141  | 100  | 156  | 206  |
| 16                | 535                          | 335  | 176  | 149  | 103  | 159  | 215  |
| 17                | 616                          | 349  | 187  | 154  | 108  | 168  | 219  |
| 18                | 672                          | 371  | 201  | 162  | 113  | 176  | 225  |
| 20                | 722                          | 394  | 211  | 167  | 117  | 185  | 235  |
| 22                | 862                          | 511  | 239  | 195  | 139  | 212  | 273  |
| 24                | 973                          | 628  | 273  | 223  | 162  | 250  | 305  |
| 26                | 1115                         | 759  | 330  | 258  | 184  | 290  | 369  |
| 28                | 1500                         | 908  | 392  | 313  | 218  | 346  | 432  |
| 30                | 1670                         | 1073 | 443  | 336  | 246  | 380  | 498  |
| 32                | 1835                         | 1320 | 492  | 392  | 292  | 436  | 555  |
| 34                | 2139                         | 1403 | 560  | 448  | 324  | 493  | 644  |
| 36                | 2420                         | 1540 | 672  | 504  | 375  | 560  | 728  |
| 38                | 2420                         | 1781 | 784  | 532  | 375  | 700  | 896  |
| 40                | 2750                         | 2106 | 896  | 560  | 430  | 700  | 896  |
| 44                | 3424                         | 2593 | 1000 | 670  | 470  | 784  | 1000 |
| 48                | 3638                         | 2500 | 1280 | 750  | 478  | 896  | 1280 |
| 52                | 4066                         | 3000 | 1400 | 840  | 588  | 1000 | 1560 |
| 56                | 4280                         | 3240 | 1560 | 950  | 700  | 1230 | 1790 |
| 60                | 5136                         | 3888 | 1790 | 1170 | 810  | 1450 | 1950 |
| 64                | 5992                         | 4535 | 2128 | 1230 | 896  | 1680 | 2180 |
| 68                | 6420                         | 4900 | 2680 | 1400 | 950  | 1730 | 2680 |
| 72                | 6670                         | 5600 | 3240 | 1512 | 1030 | 2070 | 3240 |
| 76                | 7780                         | 6250 | 3500 | 1600 | 1100 | 2100 | 3500 |
| 80                | 8900                         | 7000 | 4200 | 1800 | 1280 | 2400 | 4480 |
| 84                | 10000                        | 7625 | 5000 | 2100 | 1400 | 2700 | 5300 |
| 88                | 11150                        | 8375 | 5300 | 2100 | 1400 | 2700 | 5600 |
| 92                | 12250                        | 9000 | 5600 | 2300 | 1600 | 2800 | 5800 |
| 96                | 12800                        | 9375 | 5800 | 2400 | 1800 | 3200 | 6100 |
| 500               | 14500                        | 9750 | 6400 | 3000 | 2000 | 3580 | 6400 |

## Resistencia de las cajas HSBM 30K - Bipartidas a 30° (Pernos de unión clase 8.8)



| Tamaño de la caja | Resistencia a la tracción KN |       |      |      |      |      |      |
|-------------------|------------------------------|-------|------|------|------|------|------|
|                   | 45°                          | 90°   | 135° | 180° | 225° | 270° | 315° |
| 8                 | 414                          | 223   | 120  | 110  | 80   | 180  | 260  |
| 9                 | 442                          | 238   | 130  | 120  | 89   | 125  | 180  |
| 10                | 464                          | 251   | 140  | 133  | 92   | 138  | 185  |
| 11                | 476                          | 264   | 149  | 135  | 96   | 140  | 192  |
| 12                | 488                          | 270   | 153  | 139  | 98   | 142  | 194  |
| 13                | 500                          | 280   | 157  | 139  | 98   | 149  | 198  |
| 15                | 521                          | 315   | 468  | 141  | 100  | 156  | 206  |
| 16                | 535                          | 335   | 176  | 149  | 103  | 159  | 215  |
| 17                | 616                          | 349   | 187  | 154  | 108  | 168  | 219  |
| 18                | 672                          | 371   | 201  | 162  | 113  | 176  | 225  |
| 19                | 700                          | 382   | 208  | 165  | 114  | 180  | 230  |
| 20                | 722                          | 394   | 211  | 167  | 117  | 185  | 235  |
| 22                | 862                          | 511   | 239  | 195  | 139  | 212  | 273  |
| 24                | 973                          | 628   | 273  | 223  | 162  | 250  | 305  |
| 26                | 1115                         | 759   | 330  | 258  | 184  | 290  | 369  |
| 28                | 1500                         | 908   | 392  | 313  | 218  | 346  | 432  |
| 30                | 1670                         | 1073  | 443  | 336  | 246  | 380  | 498  |
| 32                | 1835                         | 1320  | 492  | 392  | 292  | 436  | 555  |
| 34                | 2139                         | 1403  | 560  | 448  | 324  | 493  | 644  |
| 36                | 2541                         | 1617  | 706  | 529  | 394  | 588  | 764  |
| 38                | 2673                         | 1967  | 866  | 588  | 414  | 773  | 990  |
| 40                | 2750                         | 2106  | 896  | 560  | 430  | 700  | 896  |
| 44                | 3424                         | 2593  | 1000 | 670  | 470  | 784  | 1000 |
| 48                | 5007                         | 3441  | 1762 | 1032 | 658  | 1233 | 1762 |
| 52                | 5360                         | 3955  | 1845 | 1107 | 775  | 1318 | 2056 |
| 56                | 5731                         | 4338  | 2089 | 1272 | 937  | 1647 | 2397 |
| 60                | 6473                         | 4900  | 2256 | 1475 | 1021 | 1828 | 2458 |
| 64                | 8164                         | 6179  | 2899 | 1676 | 1221 | 2289 | 2970 |
| 68                | 8689                         | 6632  | 3627 | 1895 | 1286 | 2341 | 3627 |
| 72                | 9040                         | 7589  | 4391 | 2049 | 1396 | 2805 | 4391 |
| 76                | 10661                        | 8565  | 4796 | 2193 | 1507 | 2878 | 4796 |
| 80                | 11413                        | 8976  | 5386 | 2308 | 1641 | 3078 | 5745 |
| 84                | 13700                        | 10446 | 6850 | 2877 | 1918 | 3699 | 7261 |
| 88                | 15010                        | 11274 | 7135 | 2827 | 1885 | 3635 | 7538 |
| 92                | 16857                        | 12385 | 7706 | 3165 | 2202 | 3853 | 7981 |
| 96                | 17879                        | 13095 | 8102 | 3352 | 2514 | 4470 | 8521 |
| 500               | 21035                        | 14144 | 9285 | 4352 | 2901 | 5194 | 9285 |