



POUTRELLES HEB A LARGES AILES (à faces parallèles)

BARRES COMMERCIALES OU COUPEES A LA LONGUEUR D'EMPLOI

TOLERANCES : SELON NF EN 10034

TOLERANCES SUR LA MASSE (Norme NF EN 10034):sur l'ensemble de la livraison +/-4%,sur poutrelle isolée +/-4%

| CARACTERISTIQUES DIMENSIONNELLES | | | | | | MASSE LINEIQUE | SECTION |
|----------------------------------|--------|--------|--------|---------|--------|----------------|----------------------|
| Profil | h (mm) | a (mm) | e (mm) | e1 (mm) | r (mm) | P (kg/m) | A (cm ²) |
| 100 | 100 | 100 | 6,0 | 10,0 | 12,0 | 20,40 | 26,0 |
| 120 | 120 | 120 | 6,5 | 11,0 | 12,0 | 26,70 | 34,0 |
| 140 | 140 | 140 | 7,0 | 12,0 | 12,0 | 33,70 | 43,0 |
| 160 | 160 | 160 | 8,0 | 13,0 | 15,0 | 42,60 | 54,3 |
| 180 | 180 | 180 | 8,5 | 14,0 | 15,0 | 51,20 | 65,3 |
| 200 | 200 | 200 | 9,0 | 15,0 | 18,0 | 61,30 | 78,1 |
| 220 | 220 | 220 | 9,5 | 16,0 | 18,0 | 71,50 | 91,0 |
| 240 | 240 | 240 | 10,0 | 17,0 | 21,0 | 83,20 | 106,0 |
| 260 | 260 | 260 | 10,0 | 17,5 | 24,0 | 93,00 | 118,4 |
| 280 | 280 | 280 | 10,5 | 18,0 | 24,0 | 103,00 | 131,4 |
| 300 | 300 | 300 | 11,0 | 19,0 | 27,0 | 117,00 | 149,1 |
| 320 | 320 | 300 | 11,5 | 20,5 | 27,0 | 127,00 | 161,3 |
| 340 | 340 | 300 | 12,0 | 21,5 | 27,0 | 134,00 | 170,9 |
| 360 | 360 | 300 | 12,5 | 22,5 | 27,0 | 142,00 | 180,6 |
| 400 | 400 | 300 | 13,5 | 24,0 | 27,0 | 155,00 | 197,8 |
| 450 | 450 | 300 | 14,0 | 26,0 | 27,0 | 171,00 | 218,0 |
| 500 | 500 | 300 | 14,5 | 28,0 | 27,0 | 187,00 | 238,6 |
| 550 | 550 | 300 | 15,0 | 29,0 | 27,0 | 199,00 | 254,1 |
| 600 | 600 | 300 | 15,5 | 30,0 | 27,0 | 212,00 | 270,0 |
| 650 | 650 | 300 | 16,0 | 31,0 | 27,0 | 225,00 | 286,3 |
| 700 | 700 | 300 | 17,0 | 32,0 | 27,0 | 241,00 | 306,4 |
| 800 | 800 | 300 | 17,5 | 33,0 | 30,0 | 262,00 | 334,2 |
| 900 | 900 | 300 | 18,5 | 35,0 | 30,0 | 291,00 | 371,3 |
| 1000 | 1000 | 300 | 19,0 | 36,0 | 30,0 | 314,00 | 400,0 |

**CHARGES UTILES UNIFORMEMENT REPARTIES, QUE PEUVENT SUPPORTER LES H TRAVAILLANT A LA FLEXION
SUR DEUX APPUIS, (CONTRAINTE ADMISSIBLE DE BASE : 16kg/mm²) FLECHE MAXIMALE ADMISSIBLE L/300**

EN TONNES SELON LA LONGUEUR DE LA POUTRELLE

| Profil | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 10m |
|--------|---------|---------|---------|---------|---------|---------|--------|--------|
| 100 | 5,719 | 2,627 | 1,430 | 0,866 | 0,550 | 0,351 | 0,215 | _ |
| 120 | 9,163 | 5,081 | 2,796 | 1,724 | 1,130 | 0,761 | 0,512 | 0,197 |
| 140 | 13,757 | 8,913 | 4,935 | 3,076 | 2,051 | 1,420 | 0,998 | 0,474 |
| 160 | 19,819 | 13,142 | 8,203 | 5,146 | 3,466 | 2,436 | 1,752 | 0,914 |
| 180 | 27,162 | 18,022 | 12,667 | 7,982 | 5,414 | 3,845 | 2,808 | 1,548 |
| 200 | 33,012 | 24,136 | 17,995 | 11,942 | 8,138 | 5,820 | 4,294 | 2,449 |
| 220 | 38,587 | 31,188 | 23,266 | 17,041 | 11,654 | 8,376 | 6,224 | 3,635 |
| 240 | 44,346 | 39,772 | 29,683 | 23,597 | 16,316 | 11,771 | 8,793 | 5,221 |
| 260 | 48,280 | 48,185 | 36,428 | 28,975 | 21,723 | 15,718 | 11,789 | 7,091 |
| 280 | 54,612 | 54,509 | 43,748 | 34,813 | 28,159 | 20,421 | 15,363 | 9,330 |
| 300 | 61,313 | 61,196 | 53,292 | 42,423 | 35,138 | 26,796 | 20,207 | 12,361 |
| 320 | 68,396 | 68,269 | 61,252 | 48,773 | 40,411 | 32,925 | 24,873 | 15,299 |
| 340 | 75,608 | 75,473 | 68,580 | 54,621 | 45,270 | 38,552 | 29,714 | 18,358 |
| 360 | 83,436 | 83,294 | 76,232 | 60,730 | 50,348 | 42,892 | 35,144 | 21,799 |
| 400 | 99,936 | 99,781 | 91,540 | 72,953 | 60,510 | 51,578 | 44,840 | 29,459 |
| 450 | 116,429 | 116,258 | 112,916 | 90,025 | 74,707 | 63,717 | 55,432 | 41,239 |
| 500 | 133,838 | 133,651 | 133,464 | 108,889 | 90,398 | 77,135 | 67,144 | 53,042 |
| 550 | 151,170 | 151,971 | 151,772 | 126,237 | 104,833 | 89,487 | 77,928 | 61,626 |
| 600 | 171,093 | 170,881 | 170,669 | 144,860 | 120,328 | 102,745 | 89,504 | 70,840 |

CHARGES DE SECURITE DES POTEAUX EN POUTRELLE H (CONTRAINTE ADMISSIBLE DE BASE : 16KG/MM²)

EN TONNES SELON LA HAUTEUR DES POTEAUX

| Profil | 3m | 4m | 5m | 6m | 7m | 8m | 10m | 12m |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 100 | 16,96 | 10,28 | 6,77 | 4,77 | 3,53 | 2,72 | 1,75 | 1,22 |
| 120 | 29,52 | 18,84 | 12,65 | 8,99 | 6,69 | 5,16 | 3,33 | 2,33 |
| 140 | 45,17 | 30,83 | 21,24 | 15,27 | 11,43 | 8,85 | 5,74 | 4,01 |
| 160 | 63,97 | 46,67 | 33,15 | 24,15 | 18,21 | 14,16 | 9,21 | 6,45 |
| 180 | 83,63 | 65,37 | 48,36 | 35,92 | 27,35 | 21,38 | 14,00 | 9,83 |
| 200 | 105,46 | 87,11 | 67,26 | 51,11 | 39,37 | 30,98 | 20,42 | 14,39 |
| 220 | 127,57 | 110,10 | 88,83 | 69,38 | 54,25 | 43,05 | 28,61 | 20,24 |
| 240 | 152,35 | 135,58 | 113,54 | 91,20 | 72,50 | 58,09 | 38,97 | 27,68 |
| 260 | 173,38 | 157,92 | 136,56 | 112,91 | 91,48 | 74,14 | 50,29 | 35,90 |
| 280 | 195,20 | 180,94 | 160,66 | 136,58 | 112,99 | 92,78 | 63,79 | 45,81 |
| 300 | 223,88 | 210,16 | 190,42 | 165,78 | 139,97 | 116,57 | 81,34 | 58,79 |
| 320 | 242,15 | 227,26 | 205,84 | 179,12 | 151,17 | 125,86 | 87,80 | 63,45 |
| 340 | 256,36 | 240,38 | 217,39 | 188,83 | 159,10 | 132,31 | 92,18 | 66,58 |
| 360 | 270,70 | 253,58 | 228,99 | 198,54 | 167,00 | 138,71 | 96,52 | 69,67 |
| 400 | 295,93 | 276,61 | 248,91 | 214,89 | 180,08 | 149,18 | 103,52 | 74,63 |
| 450 | 325,66 | 303,87 | 272,66 | 234,60 | 196,03 | 162,06 | 112,21 | 80,83 |
| 500 | 355,96 | 331,62 | 296,81 | 254,63 | 212,23 | 175,16 | 121,06 | 87,13 |
| 550 | 378,21 | 351,38 | 313,14 | 267,29 | 221,86 | 182,59 | 125,83 | 90,45 |
| 600 | 401,01 | 371,59 | 329,80 | 280,21 | 231,71 | 190,23 | 130,75 | 93,88 |