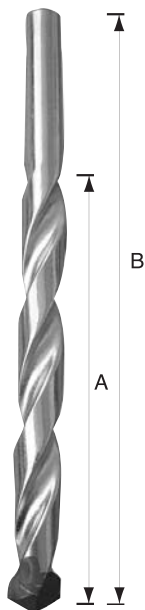


# BROCAS



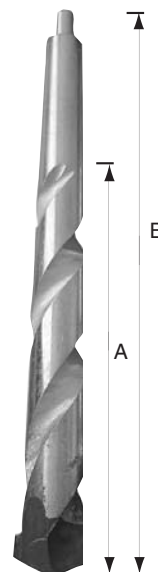
CLAVOS NACIONALES  
CONQUISTANDO EL FUTURO

## BROCAS PARA CONCRETO



| ZANCO RECTO |             |                |                |
|-------------|-------------|----------------|----------------|
| Código      | Medida pulg | Largo corte mm | Largo total mm |
| 241020005   | 1/8"        | 40             | 3              |
| 241020010   | 3/16"       | 47             | 3              |
| 241020020   | 1/4"        | 56             | 4              |
| 241020025   | 1/4"        | 66             | 5              |
| 241020030   | 1/4"        | 88             | 6              |
| 241020040   | 1/4"        | 172            | 12             |
| 241020050   | 5/16"       | 73             | 4              |
| 241020060   | 5/16"       | 110            | 7              |
| 241020065   | 5/16"       | 181            | 12             |
| 241020070   | 3/8"        | 60             | 4              |
| 241020080   | 3/8"        | 106            | 7              |
| 241020090   | 3/8"        | 181            | 12             |
| 241020100   | 7/16"       | 182            | 12             |
| 241020115   | 1/2"        | 98             | 6              |
| 241020120   | 1/2"        | 182            | 12             |
| 241020130   | 5/8"        | 105            | 6              |
| 241020140   | 5/8"        | 182            | 12             |
| 241020142   | 3/4"        | 106            | 6              |
| 241020146   | 1"          | 182            | 12             |

- Inserto de carburo de tungsteno.
- Especial para perforar concreto, azulejo, granito, mármol, mampostería, etc.



**ESPECIFICACION:** SAE-5140  
**MATERIAL:** Acero bajo carbono con inserto de carburo de tungsteno  
**DUREZA:** 48-52 HRC  
**ACABADO:** • Galvanizado

### ZANCO DE 1/2"

| Código    | Medida pulg | Largo corte mm | Largo total mm |
|-----------|-------------|----------------|----------------|
| 241020147 | 5/8"        | 96             | 6              |
| 241020149 | 5/8"        | 177            | 12             |
| 241020150 | 3/4"        | 96             | 6              |
| 241020160 | 3/4"        | 177            | 12             |
| 241020170 | 7/8"        | 96             | 6              |
| 241020180 | 7/8"        | 177            | 12             |
| 241020190 | 1"          | 96             | 6              |
| 241020200 | 1"          | 177            | 12             |

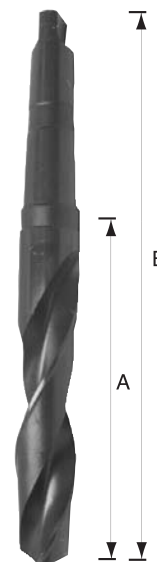


CLAVOS NACIONALES  
CONQUISTANDO EL FUTURO

## BROCAS CÓNICAS EN ACERO DE ALTA VELOCIDAD (HSS)

**MATERIAL:** Acero alta velocidad M-2, ángulo 135-118  
**DUREZA:** 48-52 HRC  
**ACABADO:** • Negro fosfatado

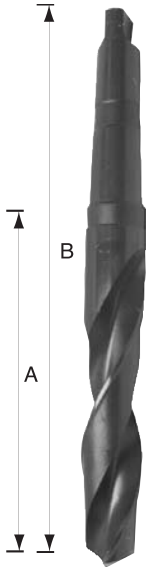
| CÓNICA A.V. |             |                |                |
|-------------|-------------|----------------|----------------|
| Código      | Medida pulg | Largo corte mm | Largo total mm |
| 241020530   | 9/32"       | 158            | 273            |
| 241020535   | 19/64"      | 92             | 156            |
| 241020540   | 21/64"      | 92             | 158            |
| 241020545   | 11/32"      | 90             | 158            |
| 241020550   | 23/64"      | 97             | 162            |
| 241020555   | 3/8"        | 98             | 170            |
| 241020565   | 13/32"      | 90             | 170            |
| 241020570   | 27/64"      | 99             | 175            |
| 241020580   | 29/64"      | 128            | 195            |
| 241020585   | 15/32"      | 119            | 184            |
| 241020600   | 33/64"      | 110            | 187            |
| 241020615   | 9/16"       | 115            | 200            |
| 241020620   | 37/64"      | 118            | 215            |
| 241020625   | 19/32"      | 126            | 217            |
| 241020630   | 39/64"      | 135            | 227            |
| 241020650   | 43/64"      | 140            | 232            |





**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

## BROCAS CÓNICAS EN ACERO DE ALTA VELOCIDAD (HSS)



| CÓNICA A.V. |             |                |                |
|-------------|-------------|----------------|----------------|
| Código      | Medida pulg | Largo corte mm | Largo total mm |
| 241020660   | 45/64"      | 144            | 234            |
| 241020670   | 47/64"      | 146            | 238            |
| 241020700   | 53/64"      | 148            | 242            |
| 241020710   | 55/64"      | 155            | 256            |
| 241020720   | 57/64"      | 158            | 268            |
| 241020725   | 29/32"      | 162            | 275            |
| 241020740   | 61/64"      | 170            | 279            |
| 241020745   | 31/32"      | 172            | 284            |
| 241020760   | 1 1/64"     | 172            | 288            |
| 241020765   | 1 1/32"     | 173            | 288            |
| 241020770   | 1 3/64"     | 175            | 292            |
| 241020780   | 1 5/64"     | 175            | 295            |
| 241020785   | 1 3/32"     | 175            | 290            |
| 241020800   | 1 9/64"     | 180            | 295            |
| 241020810   | 1 11/64"    | 185            | 298            |
| 241020820   | 1 13/64"    | 192            | 305            |
| 241020825   | 1 7/32"     | 195            | 305            |
| 241020830   | 1 15/64"    | 188            | 302            |
| 241020845   | 1 9/32"     | 190            | 330            |
| 241020850   | 1 19/64"    | 192            | 334            |
| 241020860   | 1 21/64"    | 228            | 368            |
| 241020865   | 1 23/64"    | 237            | 377            |
| 241020880   | 1 13/32"    | 202            | 345            |
| 241020885   | 1 27/64"    | 202            | 340            |
| 241020890   | 1 29/64"    | 200            | 353            |
| 241020895   | 1 15/32"    | 205            | 355            |

| CÓNICA A.V. |             |                |                |
|-------------|-------------|----------------|----------------|
| Código      | Medida pulg | Largo corte mm | Largo total mm |
| 241020900   | 1 31/64"    | 207            | 348            |
| 241020910   | 1 9/16"     | 208            | 350            |
| 241020915   | 1 39/64"    | 210            | 355            |
| 241020920   | 1 19/32"    | 208            | 350            |
| 241020925   | 1 41/64"    | 208            | 350            |
| 241020935   | 1 45/64"    | 215            | 360            |
| 241020940   | 1 23/32"    | 220            | 365            |
| 241020950   | 1 49/64"    | 220            | 344            |
| 241020955   | 1 25/32"    | 215            | 360            |
| 241020960   | 1 51/64"    | 220            | 363            |
| 241020965   | 1 13/16"    | 220            | 365            |
| 241020970   | 1 53/64"    | 221            | 365            |
| 241020980   | 1 29/32"    | 221            | 365            |
| 241020990   | 1 15/16"    | 220            | 365            |
| 241020995   | 1 61/64"    | 225            | 380            |
| 241021000   | 1 31/32"    | 225            | 385            |
| 241021005   | 1 63/64"    | 220            | 370            |
| 241021015   | 2 1/32"     | 230            | 410            |
| 241021020   | 2 1/16"     | 235            | 415            |
| 241021025   | 2 3/32"     | 236            | 410            |
| 241021030   | 2 15/32"    | 235            | 405            |
| 241021035   | 2 3/16"     | 236            | 412            |
| 241021040   | 2 7/32"     | 240            | 415            |
| 241021050   | 2 3/8"      | 240            | 420            |
| 241021055   | 2 7/16"     | 240            | 420            |
| 241021060   | 2 9/16"     | 242            | 420            |
| 241021065   | 2 5/8"      | 245            | 430            |



**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

## BROCAS LARGAS EN ACERO DE ALTA VELOCIDAD (HSS)

| LARGA RECTA A.V. (NEGRO FOSFATADO) |             |                 |          |                 |          |                 |          |
|------------------------------------|-------------|-----------------|----------|-----------------|----------|-----------------|----------|
| Código                             | Medida pulg | Largo zanco (A) |          | Largo corte (B) |          | Largo total (C) |          |
|                                    |             | mm              | pulg     | mm              | pulg     | mm              | pulg     |
| 241020353                          | 1/8"        | 37              | 1 29/64" | 69              | 2 23/32" | 106             | 4 3/16"  |
| 241020354                          | 9/64"       | 39              | 1 17/32" | 73              | 2 7/8"   | 112             | 4 13/32" |
| 241020356                          | 5/32"       | 41              | 1 39/64" | 78              | 3 1/16"  | 119             | 4 11/16" |
| 241020357                          | 11/64"      | 44              | 1 47/64" | 82              | 3 7/32"  | 126             | 4 31/32" |
| 241020358                          | 3/16"       | 45              | 1 49/64" | 87              | 3 7/16"  | 132             | 5 3/16"  |
| 241020360                          | 7/32"       | 48              | 1 57/64" | 91              | 3 19/32" | 139             | 5 15/32" |
| 241020362                          | 1/4"        | 51              | 2 1/64"  | 97              | 3 13/16" | 148             | 5 13/16" |
| 241020363                          | 19/64"      | 56              | 2 13/64" | 109             | 4 9/32"  | 165             | 6 1/2"   |
| 241020364                          | 5/16"       | 56              | 2 13/64" | 109             | 4 9/32"  | 165             | 6 1/2"   |
| 241020366                          | 3/8"        | 63              | 2 31/64" | 121             | 4 3/4"   | 184             | 7 1/4"   |
| 241020367                          | 13/32"      | 63              | 2 31/64" | 121             | 4 3/4"   | 184             | 7 1/4"   |
| 241020368                          | 7/16"       | 67              | 2 41/64" | 128             | 5 1/32"  | 195             | 7 11/16" |
| 241020369                          | 15/32"      | 71              | 2 51/64" | 134             | 5 9/32"  | 205             | 8 1/16"  |
| 241020400                          | 31/64"      | 71              | 2 51/64" | 134             | 5 9/32"  | 205             | 8 1/16"  |
| 241020370                          | 1/2"        | 71              | 2 51/64" | 134             | 5 9/32"  | 205             | 8 1/16"  |
| 241020371                          | 33/64"      | 71              | 2 51/64" | 134             | 5 9/32"  | 205             | 8 1/16"  |
| 241020372                          | 9/16"       | 76              | 3"       | 144             | 5 11/16" | 220             | 8 21/32" |
| 241020373                          | 37/64"      | 73              | 3"       | 144             | 5 11/16" | 220             | 8 21/32" |
| 241020405                          | 39/64"      | 78              | 3 5/64"  | 149             | 5 7/8"   | 227             | 8 15/16" |

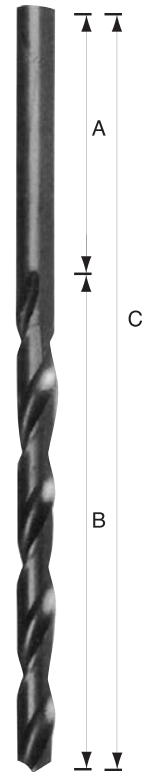




**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

## BROCAS LARGAS EN ACERO DE ALTA VELOCIDAD (HSS)

| LARGA RECTA A.V. (NEGRO FOSFATADO) |             |                 |          |                 |          |                 |           |
|------------------------------------|-------------|-----------------|----------|-----------------|----------|-----------------|-----------|
| Código                             | Medida pulg | Largo zanco (A) |          | Largo corte (B) |          | Largo total (C) |           |
|                                    |             | mm              | pulg     | mm              | pulg     | mm              | pulg      |
| 241020374                          | 5/8"        | 79              | 3 7/64"  | 148             | 5 7/8"   | 227             | 8 15/16"  |
| 241020375                          | 21/32"      | 81              | 3 3/16"  | 154             | 6 1/16"  | 235             | 9 1/4"    |
| 241020415                          | 43/64"      | 83              | 3 17/64" | 158             | 6 7/32"  | 241             | 9 1/2"    |
| 241020420                          | 45/64"      | 83              | 3 17/64" | 158             | 6 7/32"  | 241             | 9 1/2"    |
| 241020425                          | 23/32"      | 85              | 3 11/32" | 162             | 6 3/8"   | 247             | 9 23/32"  |
| 241020430                          | 47/64"      | 85              | 3 11/32" | 162             | 6 3/8"   | 247             | 9 23/32"  |
| 241020376                          | 3/4"        | 88              | 3 15/32" | 166             | 6 17/32" | 254             | 10"       |
| 241020377                          | 51/64"      | 90              | 3 35/64" | 171             | 6 23/32" | 261             | 10 9/32"  |
| 241020435                          | 53/64"      | 90              | 3 35/64" | 171             | 6 23/32" | 261             | 10 9/32"  |
| 241020440                          | 27/32"      | 92              | 3 5/8"   | 176             | 6 15/16" | 268             | 10 9/16"  |
| 241020378                          | 7/8"        | 92              | 3 5/8"   | 176             | 6 15/16" | 268             | 10 9/16"  |
| 241020445                          | 29/32"      | 95              | 3 47/64" | 180             | 7 3/32"  | 275             | 10 13/16" |
| 241020379                          | 57/64"      | 95              | 3 47/64" | 180             | 7 3/32"  | 275             | 10 13/16" |
| 241020450                          | 61/64"      | 97              | 3 13/16" | 185             | 7 9/32"  | 282             | 11 7/64"  |
| 241020455                          | 31/32"      | 97              | 3 13/16" | 185             | 7 9/32"  | 282             | 11 7/64"  |
| 241020460                          | 63/64"      | 97              | 3 13/16" | 185             | 7 9/32"  | 282             | 11 7/64"  |
| 241020380                          | 1"          | 100             | 3 15/15" | 190             | 7 15/32" | 290             | 11 13/32" |
| 241020465                          | 1 1/32"     | 100             | 3 15/16" | 190             | 7 15/32" | 290             | 11 13/32" |
| 241020470                          | 1 3/32"     | 103             | 4 1/16"  | 195             | 7 11/16" | 298             | 11 47/64" |
| 241020475                          | 1 5/32"     | 106             | 4 11/64" | 201             | 7 29/32" | 307             | 12 3/32"  |
| 241020480                          | 1 7/32"     | 109             | 4 19/64" | 207             | 8 5/32"  | 316             | 12 29/64" |
| 241020485                          | 1 5/16"     | 111             | 4 3/8"   | 213             | 8 25/64" | 324             | 12 3/4"   |



**MATERIAL:** Acero alta velocidad M-2, ángulo 135-118  
**DUREZA:** 48-52 HRC  
**ACABADO:** • Negro fosfatado

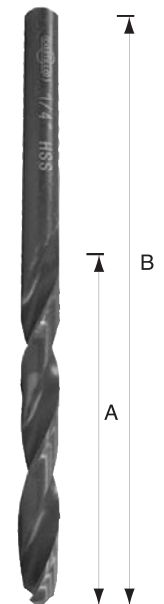


**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

## BROCAS MÉTRICAS EN ACERO DE ALTA VELOCIDAD (HSS)

| MÉTRICA A.V. |           |                |                |
|--------------|-----------|----------------|----------------|
| Código       | Medida mm | Largo corte mm | Largo total mm |
| 241021150    | 1.00      | 20             | 45             |
| 241021160    | 1.50      | 22             | 50             |
| 241021170    | 2.00      | 24             | 52             |
| 241021180    | 2.50      | 30             | 57             |
| 241021190    | 3.00      | 35             | 60             |
| 241021200    | 3.50      | 38             | 68             |
| 241021210    | 4.00      | 40             | 76             |
| 241021220    | 4.50      | 45             | 80             |
| 241021230    | 5.00      | 51             | 85             |
| 241021240    | 5.50      | 54             | 92             |
| 241021250    | 6.00      | 56             | 93             |
| 241021260    | 6.50      | 63             | 100            |
| 241021270    | 7.00      | 68             | 106            |
| 241021280    | 7.50      | 70             | 108            |
| 241021290    | 8.00      | 74             | 116            |

| MÉTRICA A.V. |           |                |                |
|--------------|-----------|----------------|----------------|
| Código       | Medida mm | Largo corte mm | Largo total mm |
| 241021300    | 8.50      | 75             | 120            |
| 241021310    | 9.00      | 82             | 122            |
| 241021320    | 9.50      | 84             | 124            |
| 241021330    | 10.00     | 87             | 130            |
| 241021340    | 10.50     | 88             | 132            |
| 241021350    | 11.00     | 92             | 140            |
| 241021360    | 11.50     | 95             | 142            |
| 241021370    | 12.00     | 100            | 148            |
| 241021380    | 12.50     | 102            | 150            |
| 241021390    | 13.00     | 105            | 155            |



**MATERIAL:** Acero alta velocidad M-2, ángulo 135-118  
**DUREZA:** 48-52 HRC  
**ACABADO:** • Negro fosfatado

**ZANCO RECTO A.V. (NEGRO FOSFATADO)**



| Código    | Medida pulg | Largo zanco (A) |          | Largo corte (B) |          | Largo total (C) |          |
|-----------|-------------|-----------------|----------|-----------------|----------|-----------------|----------|
|           |             | mm              | pulg     | mm              | pulg     | mm              | pulg     |
| 241020232 | 1/64"       | 14              | 35/64"   | 5               | 3/16"    | 19              | 3/4"     |
| 241020234 | 3/64"       | 25              | 63/64"   | 19              | 3/4"     | 44              | 1 47/64" |
| 241020236 | 1/32"       | 22              | 7/8"     | 13              | 1/2"     | 35              | 1 3/8"   |
| 241020238 | 1/16"       | 26              | 1 1/16"  | 22              | 7/8"     | 48              | 1 57/64" |
| 241020240 | 5/64"       | 26              | 1 1/16"  | 25              | 63/64"   | 51              | 2"       |
| 241020242 | 3/32"       | 25              | 63/64"   | 32              | 1 17/64" | 57              | 2 1/4"   |
| 241020244 | 7/64"       | 29              | 1 9/64"  | 38              | 1 1/2"   | 67              | 2 5/8"   |
| 241020246 | 1/8"        | 29              | 1 9/64"  | 41              | 1 39/64" | 70              | 2 3/4"   |
| 241020248 | 9/64"       | 29              | 1 9/64"  | 44              | 1 47/64" | 73              | 2 7/8"   |
| 241020250 | 5/32"       | 28              | 1 7/64"  | 51              | 2"       | 79              | 3 7/64"  |
| 241020252 | 11/64"      | 28              | 1 7/64"  | 54              | 2 1/8"   | 82              | 3 15/64" |
| 241020254 | 3/16"       | 30              | 1 3/16"  | 59              | 2 5/16"  | 89              | 3 1/2"   |
| 241020256 | 13/64"      | 30              | 1 3/16"  | 62              | 2 7/16"  | 92              | 3 5/8"   |
| 241020258 | 7/32"       | 32              | 1 17/64" | 63              | 2 31/64" | 95              | 3 47/64" |
| 241020260 | 15/64"      | 31              | 1 1/4"   | 67              | 2 5/8"   | 98              | 3 55/64" |
| 241020262 | 1/4"        | 32              | 1 17/64" | 70              | 2 3/4"   | 102             | 4 1/64"  |
| 241020264 | 17/64"      | 32              | 1 17/64" | 73              | 2 7/8"   | 105             | 4 1/8"   |
| 241020266 | 9/32"       | 33              | 1 9/32"  | 75              | 2 61/64" | 108             | 4 1/4"   |
| 241020268 | 19/64"      | 36              | 1 27/64" | 78              | 3 1/16"  | 111             | 4 3/8"   |
| 241020270 | 5/16"       | 33              | 1 19/64" | 81              | 3 3/16"  | 114             | 4 31/64" |
| 241020272 | 21/64"      | 33              | 1 19/64" | 84              | 3 5/16"  | 117             | 4 39/64" |
| 241020274 | 11/32"      | 34              | 1 11/32" | 87              | 3 27/64" | 121             | 4 49/64" |
| 241020276 | 23/64"      | 34              | 1 11/32" | 89              | 3 1/2"   | 123             | 4 27/32" |
| 241020278 | 3/8"        | 35              | 1 3/8"   | 92              | 3 5/8"   | 127             | 5"       |
| 241020280 | 25/64"      | 35              | 1 3/8"   | 95              | 3 47/64" | 130             | 5 1/8"   |
| 241020282 | 13/32"      | 35              | 1 3/8"   | 98              | 3 55/64" | 133             | 5 15/64" |
| 241020284 | 27/64"      | 36              | 1 27/64" | 100             | 3 61/64" | 136             | 5 23/64" |
| 241020286 | 7/16"       | 37              | 1 29/64" | 103             | 4 1/16"  | 140             | 5 33/64" |
| 241020288 | 29/64"      | 37              | 1 29/64" | 106             | 4 11/64" | 143             | 5 5/8"   |
| 241020290 | 15/32"      | 36              | 1 27/64" | 110             | 4 21/64" | 146             | 5 3/4"   |
| 241020292 | 31/64"      | 38              | 1 1/2"   | 111             | 4 3/8"   | 149             | 5 7/8"   |
| 241020294 | 1/2"        | 38              | 1 1/2"   | 114             | 4 31/64" | 152             | 5 63/64" |
| 241020296 | 33/64"      | 46              | 1 13/16" | 122             | 4 13/16" | 168             | 6 5/8"   |
| 241020298 | 17/32"      | 46              | 1 13/16" | 122             | 4 13/16" | 168             | 6 5/8"   |
| 241020300 | 35/64"      | 46              | 1 13/16" | 122             | 4 13/16" | 168             | 6 5/8"   |
| 241020302 | 9/16"       | 46              | 1 13/16" | 122             | 4 13/16" | 168             | 6 5/8"   |
| 241020304 | 37/64"      | 46              | 1 13/16" | 122             | 4 13/16" | 168             | 6 5/8"   |
| 241020306 | 19/32"      | 49              | 1 59/64" | 132             | 5 13/64" | 181             | 7 1/8"   |
| 241020308 | 39/64"      | 49              | 1 59/64" | 132             | 5 13/64" | 181             | 7 1/8"   |
| 241020310 | 5/8"        | 49              | 1 59/64" | 132             | 5 13/64" | 181             | 7 1/8"   |
| 241020312 | 41/64"      | 49              | 1 59/64" | 132             | 5 13/64" | 181             | 7 1/8"   |
| 241020314 | 21/32"      | 49              | 1 59/64" | 132             | 5 13/64" | 181             | 7 1/8"   |
| 241020316 | 43/64"      | 52              | 2 1/32"  | 143             | 5 5/8"   | 194             | 7 5/8"   |
| 241020318 | 11/16"      | 52              | 2 1/32"  | 143             | 5 5/8"   | 194             | 7 5/8"   |

**MATERIAL:** Acero alta velocidad M-2, ángulo 135-118  
**DUREZA:** 48-52 HRC  
**ACABADO:** • Negro fosfatado

- Rectificadas
- Fraccionales
- Alta durabilidad



**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

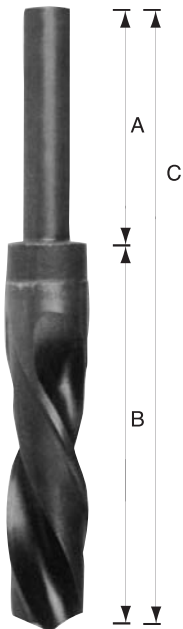
# BROCAS ZANCO EN ACERO DE ALTA VELOCIDAD (HSS)

## ZANCO RECTO A.V. (NEGRO FOSFATADO ECONÓMICA)



| Código    | Medida pulg | Largo zanco (A) |          | Largo corte (B) |          | Largo total (C) |          |
|-----------|-------------|-----------------|----------|-----------------|----------|-----------------|----------|
|           |             | mm              | pulg     | mm              | pulg     | mm              | pulg     |
| 241022025 | 1/16"       | 23              | 29/32"   | 20              | 25/32"   | 43              | 1 11/16" |
| 241022030 | 5/64"       | 25              | 63/64"   | 24              | 15/16"   | 49              | 1 15/16" |
| 241022035 | 3/32"       | 30              | 5/16"    | 27              | 1 3/6"   | 57              | 2 1/4"   |
| 241022040 | 7/64"       | 28              | 7/64"    | 33              | 1 5/16"  | 61              | 2 13/32" |
| 241022045 | 1/8"        | 29              | 9/64"    | 36              | 1 7/16"  | 65              | 2 9/16"  |
| 241022050 | 9/64"       | 31              | 7/32"    | 39              | 1 17/32" | 70              | 2 3/4"   |
| 241022055 | 5/32"       | 32              | 17/64"   | 43              | 1 11/16" | 75              | 2 15/16" |
| 241022060 | 11/64"      | 33              | 19/64"   | 47              | 1 27/32" | 80              | 3 5/32"  |
| 241022065 | 3/16"       | 34              | 11/32"   | 52              | 2 1/16"  | 86              | 3 3/8"   |
| 241022070 | 13/64"      | 34              | 11/32"   | 52              | 2 1/16"  | 86              | 3 3/8"   |
| 241022075 | 7/32"       | 36              | 27/64"   | 57              | 2 1/4"   | 93              | 3 21/32" |
| 241022080 | 15/64"      | 36              | 27/64"   | 57              | 2 1/4"   | 93              | 3 21/32" |
| 241022085 | 1/4"        | 37              | 29/64"   | 63              | 2 1/2"   | 100             | 3 31/32" |
| 241022090 | 17/64"      | 40              | 37/64"   | 69              | 2 23/32" | 109             | 4 9/32"  |
| 241022095 | 9/32"       | 40              | 37/64"   | 69              | 2 23/32" | 109             | 4 9/32"  |
| 241022100 | 19/64"      | 43              | 11/16"   | 74              | 2 15/16" | 117             | 4 19/32" |
| 241022105 | 5/16"       | 43              | 11/16"   | 74              | 2 15/16" | 117             | 4 19/32" |
| 241022110 | 21/64"      | 43              | 11/16"   | 74              | 2 15/16" | 117             | 4 19/32" |
| 241022115 | 11/32"      | 44              | 47/64"   | 81              | 3 7/16"  | 125             | 4 29/32" |
| 241022120 | 23/64"      | 44              | 47/64"   | 81              | 3 7/16"  | 125             | 4 29/32" |
| 241022125 | 3/8"        | 44              | 47/64"   | 81              | 3 7/16"  | 133             | 5 1/4"   |
| 241022130 | 25/64"      | 44              | 47/64"   | 81              | 3 7/16"  | 133             | 5 1/4"   |
| 241022135 | 13/32"      | 44              | 47/64"   | 81              | 3 7/16"  | 133             | 5 1/4"   |
| 241022140 | 27/64"      | 44              | 47/64"   | 93              | 3 11/16" | 142             | 5 19/32" |
| 241022145 | 7/16"       | 44              | 47/64"   | 93              | 3 11/16" | 142             | 5 19/32" |
| 241022150 | 29/64"      | 44              | 47/64"   | 93              | 3 11/16" | 142             | 5 19/32" |
| 241022155 | 15/32"      | 51              | 2 1/64"  | 100             | 3 31/32" | 151             | 5 15/16" |
| 241022160 | 31/64"      | 51              | 2 1/64"  | 100             | 3 31/32" | 151             | 5 15/16" |
| 241022165 | 1/2"        | 51              | 2 1/64"  | 100             | 3 31/32" | 151             | 5 15/16" |
| 241022175 | 17/32"      | 51              | 2 1/64"  | 114             | 4 1/2"   | 165             | 6 1/2"   |
| 241022185 | 9/16"       | 42              | 2 1/32"  | 114             | 4 1/2"   | 156             | 6 1/2"   |
| 241022205 | 5/8"        | 59              | 2 21/64" | 120             | 4 3/4"   | 179             | 7 1/16"  |
| 241022215 | 21/32"      | 51              | 2 1/64"  | 128             | 5 1/32"  | 179             | 7 1/16"  |
| 241022245 | 27/32"      | 92              | 3 5/8"   | 176             | 6 15/16" | 268             | 10 9/16" |
| 241022250 | 7/8"        | 92              | 3 5/8"   | 176             | 6 15/16" | 268             | 10 9/16" |

**MATERIAL:** Acero alta velocidad M-2, ángulo 135-118  
**DUREZA:** 48-52 HRC  
**ACABADO:** • Negro fosfatado



## ZANCO RECTO DE 1/2" A.V. (NEGRO FOSFATADO)

| Código    | Medida pulg | Largo zanco (A) |        | Largo corte (B) |        | Largo total (C) |        |
|-----------|-------------|-----------------|--------|-----------------|--------|-----------------|--------|
|           |             | mm              | pulg   | mm              | pulg   | mm              | pulg   |
| 241020320 | 17/32"      | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020322 | 9/16"       | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020324 | 19/32"      | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020326 | 5/8"        | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020328 | 21/32"      | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020330 | 11/16"      | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020331 | 23/32"      | 73              | 2 7/8" | 25              | 1"     | 98              | 3 7/8" |
| 241020332 | 3/4"        | 73              | 2 7/8" | 79              | 3 1/8" | 152             | 6"     |
| 241020334 | 25/32"      | 76              | 3"     | 76              | 3"     | 152             | 6"     |
| 241020336 | 13/16"      | 76              | 3"     | 76              | 3"     | 152             | 6"     |
| 241020338 | 27/32"      | 76              | 3"     | 76              | 3"     | 152             | 6"     |
| 241020340 | 7/8"        | 76              | 3"     | 76              | 3"     | 152             | 6"     |
| 241020342 | 15/16"      | 76              | 3"     | 76              | 3"     | 152             | 6"     |
| 241020344 | 1"          | 76              | 3"     | 76              | 3"     | 152             | 6"     |
| 241020346 | 1 1/16"     | 76              | 3"     | 76              | 3"     | 152             | 6"     |



**CLAVOS NACIONALES**  
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## BROCAS ZANCO EN ACERO DE ALTA VELOCIDAD (HSS)

### ZANCO RECTO DE 1/2" A.V. (NEGRO FOSFATADO)

| Código    | Medida pulg | Largo zanco (A) |      | Largo corte (B) |      | Largo total (C) |      |
|-----------|-------------|-----------------|------|-----------------|------|-----------------|------|
|           |             | mm              | pulg | mm              | pulg | mm              | pulg |
| 241020348 | 1 3/16"     | 76              | 3"   | 76              | 3"   | 152             | 6"   |
| 241020350 | 1 1/4"      | 76              | 3"   | 76              | 3"   | 152             | 6"   |
| 241020352 | 1 5/16"     | 76              | 3"   | 76              | 3"   | 152             | 6"   |



**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

## BROCAS EN ACERO DE ALTA VELOCIDAD (JUEGOS)



### JUEGO BROCAS A.V. (13 piezas)

| Código    | Medidas pulg                                                                                 |
|-----------|----------------------------------------------------------------------------------------------|
| 241020382 | (1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4") |

### JUEGO BROCAS A.V. (29 piezas)

| Código    | Medidas pulg                                                                                                                                                                                                          |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 241020384 | (1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2") |



## BROCHAS Y RODILLOS PARA PINTAR



**CLAVOS NACIONALES**  
CONQUISTANDO EL FUTURO

## BROCHAS Y RODILLOS PARA PINTAR

### BROCHA DE CERDA CHINA

| Código    | Longitud |      |
|-----------|----------|------|
|           | pulg     | mm   |
| 255030000 | 1/2"     | 12.7 |
| 255030010 | 1"       | 25.4 |
| 255030020 | 1 1/2"   | 38   |
| 255030030 | 2"       | 51   |
| 255030040 | 2 1/2"   | 63.5 |
| 255030050 | 3"       | 76   |
| 255030060 | 4"       | 102  |
| 255030070 | 5"       | 127  |
| 255030080 | 6"       | 153  |



### RODILLO

| Código    | Medida |     |
|-----------|--------|-----|
|           | pulg   | mm  |
| 255030200 | 7"     | 178 |
| 255030210 | 9"     | 229 |
| 255030220 | 12"    | 305 |



- Maneral con entrada para extensión.
- Centro de polipropileno.
- Resistente a toda clase de solventes.
- Amplia cobertura de área.

### REPUESTO PARA RODILLO

| Código    | Medida |     |
|-----------|--------|-----|
|           | pulg   | mm  |
| 255030300 | 7"     | 178 |
| 255030310 | 9"     | 229 |
| 255030320 | 12"    | 305 |



- Centro de polipropileno y sistema de termofusión.
- Resistente a toda clase de solventes.
- Amplia cobertura de área.

- Cerda china 100% natural.
- Resina epóxica que sujeta las cerdas.
- Mango de madera, diseño reforzado, ergonómico y ligero.