

BROCA CON PUNTA DE METAL DURO DIN 338

Taladrados de profundidad media 3xd

Aceros muy duros hasta 1200 N/mm²

Medium deep drilling 3xd | Very hard steels up to 1200 N/mm²

Aceros no aleados

y para decoletaje

< 700 N/mm²

Unalloyed and free

cutting steels

<700 N / mm²

P
1-2

Aceros fuertemente

aleados 900-1200 N/mm²

(32-38 HRC)

Alloyed steel

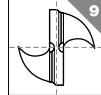
800-1000 N/mm²

(23-32 HRC)

P
3-4



| Vc | M/min |
|-----------|-------|
| P1 | 60-75 |
| P2 | 55-65 |
| P3 | 40-80 |
| P4 | 20-60 |



$$r.p.m = \frac{V_c \times 1000}{\pi \times \varnothing}$$

| 8240201 | Ø | d2 | L | I1 | 1 |
|-------------|-------------|------|-----|----|---|
| 82402010200 | 2,00 | 2,00 | 49 | 24 | 1 |
| 82402010210 | 2,10 | 2,10 | 49 | 24 | 1 |
| 82402010220 | 2,20 | 2,20 | 53 | 27 | 1 |
| 82402010230 | 2,30 | 2,30 | 53 | 27 | 1 |
| 82402010240 | 2,40 | 2,40 | 57 | 30 | 1 |
| 82402010250 | 2,50 | 2,50 | 57 | 30 | 1 |
| 82402010260 | 2,60 | 2,60 | 57 | 30 | 1 |
| 82402010270 | 2,70 | 2,70 | 61 | 33 | 1 |
| 82402010280 | 2,80 | 2,80 | 61 | 33 | 1 |
| 82402010290 | 2,90 | 2,90 | 61 | 33 | 1 |
| 82402010300 | 3,00 | 3,00 | 61 | 33 | 1 |
| 82402010310 | 3,10 | 3,10 | 65 | 36 | 1 |
| 82402010320 | 3,20 | 3,20 | 65 | 36 | 1 |
| 82402010330 | 3,30 | 3,30 | 65 | 36 | 1 |
| 82402010340 | 3,40 | 3,40 | 70 | 39 | 1 |
| 82402010350 | 3,50 | 3,50 | 70 | 39 | 1 |
| 82402010360 | 3,60 | 3,60 | 70 | 39 | 1 |
| 82402010370 | 3,70 | 3,70 | 70 | 39 | 1 |
| 82402010380 | 3,80 | 3,80 | 75 | 43 | 1 |
| 82402010390 | 3,90 | 3,90 | 75 | 43 | 1 |
| 82402010400 | 4,00 | 4,00 | 75 | 43 | 1 |
| 82402010410 | 4,10 | 4,10 | 75 | 43 | 1 |
| 82402010420 | 4,20 | 4,20 | 75 | 43 | 1 |
| 82402010430 | 4,30 | 4,30 | 80 | 47 | 1 |
| 82402010440 | 4,40 | 4,40 | 80 | 47 | 1 |
| 82402010450 | 4,50 | 4,50 | 80 | 47 | 1 |
| 82402010460 | 4,60 | 4,60 | 80 | 47 | 1 |
| 82402010470 | 4,70 | 4,70 | 80 | 47 | 1 |
| 82402010480 | 4,80 | 4,80 | 86 | 52 | 1 |
| 82402010490 | 4,90 | 4,90 | 86 | 52 | 1 |
| 82402010500 | 5,00 | 5,00 | 86 | 52 | 1 |
| 82402010510 | 5,10 | 5,10 | 86 | 52 | 1 |
| 82402010520 | 5,20 | 5,20 | 86 | 52 | 1 |
| 82402010530 | 5,30 | 5,30 | 86 | 52 | 1 |
| 82402010540 | 5,40 | 5,40 | 93 | 57 | 1 |
| 82402010550 | 5,50 | 5,50 | 93 | 57 | 1 |
| 82402010560 | 5,60 | 5,60 | 93 | 57 | 1 |
| 82402010570 | 5,70 | 5,70 | 93 | 57 | 1 |
| 82402010580 | 5,80 | 5,80 | 93 | 57 | 1 |
| 82402010590 | 5,90 | 5,90 | 93 | 57 | 1 |
| 82402010600 | 6,00 | 6,00 | 93 | 57 | 1 |
| 82402010610 | 6,10 | 6,10 | 101 | 63 | 1 |

| 8240201 | Ø | d2 | L | I1 | 1 |
|-------------|--------------|-------|-----|----|---|
| 82402010620 | 6,20 | 6,20 | 101 | 63 | 1 |
| 82402010630 | 6,30 | 6,30 | 101 | 63 | 1 |
| 82402010640 | 6,40 | 6,40 | 101 | 63 | 1 |
| 82402010650 | 6,50 | 6,50 | 101 | 63 | 1 |
| 82402010660 | 6,60 | 6,60 | 101 | 63 | 1 |
| 82402010670 | 6,70 | 6,70 | 101 | 63 | 1 |
| 82402010680 | 6,80 | 6,80 | 109 | 69 | 1 |
| 82402010690 | 6,90 | 6,90 | 109 | 69 | 1 |
| 82402010700 | 7,00 | 7,00 | 109 | 69 | 1 |
| 82402010710 | 7,10 | 7,10 | 109 | 69 | 1 |
| 82402010720 | 7,20 | 7,20 | 109 | 69 | 1 |
| 82402010730 | 7,30 | 7,30 | 109 | 69 | 1 |
| 82402010740 | 7,40 | 7,40 | 109 | 69 | 1 |
| 82402010750 | 7,50 | 7,50 | 109 | 69 | 1 |
| 82402010760 | 7,60 | 7,60 | 117 | 75 | 1 |
| 82402010770 | 7,70 | 7,70 | 117 | 75 | 1 |
| 82402010780 | 7,80 | 7,80 | 117 | 75 | 1 |
| 82402010790 | 7,90 | 7,90 | 117 | 75 | 1 |
| 82402010800 | 8,00 | 8,00 | 117 | 75 | 1 |
| 82402010810 | 8,10 | 8,10 | 117 | 75 | 1 |
| 82402010820 | 8,20 | 8,20 | 117 | 75 | 1 |
| 82402010830 | 8,30 | 8,30 | 117 | 75 | 1 |
| 82402010840 | 8,40 | 8,40 | 117 | 75 | 1 |
| 82402010850 | 8,50 | 8,50 | 117 | 75 | 1 |
| 82402010860 | 8,60 | 8,60 | 125 | 81 | 1 |
| 82402010870 | 8,70 | 8,70 | 125 | 81 | 1 |
| 82402010880 | 8,80 | 8,80 | 125 | 81 | 1 |
| 82402010890 | 8,90 | 8,90 | 125 | 81 | 1 |
| 82402010900 | 9,00 | 9,00 | 125 | 81 | 1 |
| 82402010910 | 9,10 | 9,10 | 125 | 81 | 1 |
| 82402010920 | 9,20 | 9,20 | 125 | 81 | 1 |
| 82402010930 | 9,30 | 9,30 | 125 | 81 | 1 |
| 82402010940 | 9,40 | 9,40 | 125 | 81 | 1 |
| 82402010950 | 9,50 | 9,50 | 125 | 81 | 1 |
| 82402010960 | 9,60 | 9,60 | 133 | 87 | 1 |
| 82402010970 | 9,70 | 9,70 | 133 | 87 | 1 |
| 82402010980 | 9,80 | 9,80 | 133 | 87 | 1 |
| 82402010990 | 9,90 | 9,90 | 133 | 87 | 1 |
| 82402011000 | 10,00 | 10,00 | 133 | 87 | 1 |
| 82402011020 | 10,20 | 10,20 | 133 | 87 | 1 |
| 82402011050 | 10,50 | 10,50 | 133 | 87 | 1 |
| 82402011100 | 11,00 | 11,00 | 142 | 94 | 1 |

BROCA CON PUNTA DE METAL DURO DIN 338

Taladrados de profundidad media 3xd

Aceros muy duros hasta 1200 N/mm²

Medium deep drilling 3xd | Very hard steels up to 1200 N/mm²

| 8240201 | | | | | | |
|----------------|--------------|-----------|----------|-----------|---|--|
| | Ø | d2 | L | I1 |  | |
| 82402011120 | 11,20 | 11,20 | 142 | 94 | 1 | |
| 82402011150 | 11,50 | 11,50 | 142 | 94 | 1 | |
| 82402011200 | 12,00 | 12,00 | 151 | 101 | 1 | |
| 82402011220 | 12,20 | 12,20 | 151 | 101 | 1 | |
| 82402011250 | 12,50 | 12,50 | 151 | 101 | 1 | |
| 82402011300 | 13,00 | 13,00 | 151 | 101 | 1 | |
| 82402011350 | 13,50 | 13,50 | 160 | 108 | 1 | |
| 82402011400 | 14,00 | 14,00 | 160 | 108 | 1 | |
| 82402011420 | 14,20 | 14,20 | 169 | 114 | 1 | |
| 82402011450 | 14,50 | 14,50 | 169 | 114 | 1 | |
| 82402011500 | 15,00 | 15,00 | 169 | 114 | 1 | |

| 8240201 | | | | | | |
|----------------|--------------|-----------|----------|-----------|---|--|
| | Ø | d2 | L | I1 |  | |
| 82402011520 | 15,20 | 15,20 | 178 | 120 | 1 | |
| 82402011550 | 15,50 | 15,50 | 178 | 120 | 1 | |
| 82402011600 | 16,00 | 16,00 | 178 | 120 | 1 | |
| 82402011650 | 16,50 | 16,50 | 184 | 125 | 1 | |
| 82402011700 | 17,00 | 17,00 | 184 | 125 | 1 | |
| 82402011750 | 17,50 | 17,50 | 191 | 130 | 1 | |
| 82402011800 | 18,00 | 18,00 | 191 | 130 | 1 | |
| 82402011850 | 18,50 | 18,50 | 198 | 135 | 1 | |
| 82402011900 | 19,00 | 19,00 | 198 | 135 | 1 | |
| 82402011950 | 19,50 | 19,50 | 204 | 140 | 1 | |
| 82402012000 | 20,00 | 20,00 | 204 | 140 | 1 | |