

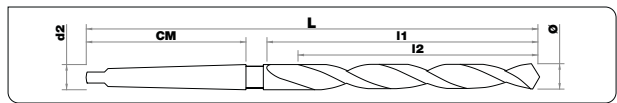
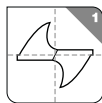
| 1141051 | EAN | Ø | CM | L | I1 | QTY PCB |
|-------------|---------------|------|-----|-----|-----|---------|
| 11410512950 | 3221910185312 | 29,5 | CM3 | 296 | 175 | 1 1* |
| 11410513000 | 3221910185329 | 30 | CM3 | 296 | 175 | 1 1 |
| 11410513100 | 3221910185343 | 31 | CM3 | 301 | 180 | 1 1 |
| 11410513200 | 3221910185350 | 32 | CM4 | 334 | 185 | 1 1 |
| 11410513400 | 3221910185381 | 34 | CM4 | 339 | 190 | 1 1 |
| 11410513500 | 3221910185398 | 35 | CM4 | 339 | 190 | 1 1 |
| 11410513600 | 3221910759964 | 36 | CM4 | 344 | 195 | 1 1 |
| 11410513700 | 3221910185411 | 37 | CM4 | 344 | 195 | 1 1 |
| 11410513800 | 3221910759971 | 38 | CM4 | 349 | 200 | 1 1 |
| 11410513900 | 3221910185435 | 39 | CM4 | 349 | 200 | 1 1 |
| 11410514000 | 3221910185442 | 40 | CM4 | 349 | 200 | 1 1 |



HSS FULLY GROUND | LONG SERIES
I DRILL MORSE TAPER SHANK.

BROCA HSS RECTIFICADA. SERIE
LARGA. MANGO CÓNICO.

PUNTA HSS ATTACCO CONO MORSE
LUNGO.



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones. Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.



Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²



Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²



Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici



Cast iron
Fundiciones
Ghisa



| 1141101 | EAN | Ø | CM | L | I1 | QTY PCB |
|-------------|---------------|-------|-----|-----|-----|---------|
| 11411010700 | 3221910187132 | 7 | CM1 | 174 | 93 | 1 1 |
| 11411010750 | 3221910187149 | 7,5 | CM1 | 174 | 93 | 1 1 |
| 11411010800 | 3221910187156 | 8 | CM1 | 181 | 100 | 1 1 |
| 11411010850 | 3221910187187 | 8,5 | CM1 | 181 | 100 | 1 1 |
| 11411010900 | 3221910187217 | 9 | CM1 | 188 | 107 | 1 1 |
| 11411010950 | 3221910187248 | 9,5 | CM1 | 188 | 107 | 1 1 |
| 11411010975 | 3221910187255 | 9,75 | CM1 | 197 | 116 | 1 1* |
| 11411011000 | 3221910187279 | 10 | CM1 | 197 | 116 | 1 1 |
| 11411011020 | 3221910187293 | 10,2 | CM1 | 197 | 116 | 1 1 |
| 11411011025 | 3221910187309 | 10,25 | CM1 | 197 | 116 | 1 1* |
| 11411011050 | 3221910187316 | 10,5 | CM1 | 197 | 116 | 1 1 |
| 11411011075 | 3221910187323 | 10,75 | CM1 | 206 | 125 | 1 1* |
| 11411011100 | 3221910187347 | 11 | CM1 | 206 | 125 | 1 1 |
| 11411011125 | 3221910187361 | 11,25 | CM1 | 206 | 125 | 1 1* |
| 11411011150 | 3221910187378 | 11,5 | CM1 | 206 | 125 | 1 1 |
| 11411011175 | 3221910187385 | 11,75 | CM1 | 206 | 125 | 1 1 |
| 11411011180 | 3221910187392 | 11,8 | CM1 | 206 | 125 | 1 1 |
| 11411011200 | 3221910187408 | 12 | CM1 | 215 | 134 | 1 1 |
| 11411011250 | 3221910187446 | 12,5 | CM1 | 215 | 134 | 1 1 |
| 11411011275 | 3221910187460 | 12,75 | CM1 | 215 | 134 | 1 1 |
| 11411011300 | 3221910187484 | 13 | CM1 | 215 | 134 | 1 1 |
| 11411011325 | 3221910187507 | 13,25 | CM1 | 223 | 142 | 1 1* |
| 11411011350 | 3221910187514 | 13,5 | CM1 | 223 | 142 | 1 1 |
| 11411011400 | 3221910187545 | 14 | CM1 | 223 | 142 | 1 1 |
| 11411011450 | 3221910187569 | 14,5 | CM2 | 245 | 147 | 1 1 |
| 11411011475 | 3221910187576 | 14,75 | CM2 | 245 | 147 | 1 1* |
| 11411011500 | 3221910187583 | 15 | CM2 | 245 | 147 | 1 1 |
| 11411011525 | 3221910187613 | 15,25 | CM2 | 251 | 153 | 1 1 |
| 11411011550 | 3221910187620 | 15,5 | CM2 | 251 | 153 | 1 1 |
| 11411011575 | 3221910187637 | 15,75 | CM2 | 251 | 153 | 1 1 |
| 11411011600 | 3221910187644 | 16 | CM2 | 251 | 153 | 1 1 |
| 11411011625 | 3221910187651 | 16,25 | CM2 | 257 | 159 | 1 1 |
| 11411011650 | 3221910187668 | 16,5 | CM2 | 257 | 159 | 1 1 |
| 11411011675 | 3221910187675 | 16,75 | CM2 | 257 | 159 | 1 1* |
| 11411011700 | 3221910187682 | 17 | CM2 | 257 | 159 | 1 1 |
| 11411011725 | 3221910187699 | 17,25 | CM2 | 263 | 165 | 1 1* |
| 11411011750 | 3221910187705 | 17,5 | CM2 | 263 | 165 | 1 1 |





| 1141101 | EAN | Ø | CM | L | I1 | QTY PCB | |
|----------------|---------------|----------|-----------|----------|-----------|----------------|----|
| 11411011775 | 3221910187712 | 17,75 | CM2 | 263 | 165 | 1 | 1* |
| 11411011800 | 3221910187729 | 18 | CM2 | 263 | 165 | 1 | 1 |
| 11411011825 | 3221910187736 | 18,25 | CM2 | 269 | 171 | 1 | 1* |
| 11411011850 | 3221910187743 | 18,5 | CM2 | 269 | 171 | 1 | 1 |
| 11411011875 | 3221910187750 | 18,75 | CM2 | 269 | 171 | 1 | 1* |
| 11411011900 | 3221910187767 | 19 | CM2 | 269 | 171 | 1 | 1 |
| 11411011950 | 3221910187798 | 19,5 | CM2 | 275 | 177 | 1 | 1 |
| 11411011975 | 3221910187804 | 19,75 | CM2 | 275 | 177 | 1 | 1 |
| 11411012000 | 3221910187811 | 20 | CM2 | 275 | 177 | 1 | 1 |
| 11411012025 | 3221910187828 | 20,25 | CM2 | 282 | 184 | 1 | 1 |
| 11411012050 | 3221910187835 | 20,5 | CM2 | 282 | 184 | 1 | 1 |
| 11411012100 | 3221910187859 | 21 | CM2 | 282 | 184 | 1 | 1 |
| 11411012150 | 3221910187873 | 21,5 | CM2 | 289 | 191 | 1 | 1 |
| 11411012200 | 3221910187897 | 22 | CM2 | 289 | 191 | 1 | 1 |
| 11411012250 | 3221910187910 | 22,5 | CM2 | 296 | 198 | 1 | 1 |
| 11411012300 | 3221910187934 | 23 | CM2 | 296 | 198 | 1 | 1 |
| 11411012350 | 3221910187941 | 23,5 | CM3 | 319 | 198 | 1 | 1 |
| 11411012400 | 3221910187958 | 24 | CM3 | 327 | 206 | 1 | 1 |
| 11411012450 | 3221910187965 | 24,5 | CM3 | 327 | 206 | 1 | 1 |
| 11411012500 | 3221910187972 | 25 | CM3 | 327 | 206 | 1 | 1 |
| 11411012550 | 3221910187989 | 25,5 | CM3 | 335 | 214 | 1 | 1 |
| 11411012600 | 3221910187996 | 26 | CM3 | 335 | 214 | 1 | 1 |
| 11411012650 | 3221910188009 | 26,5 | CM3 | 335 | 214 | 1 | 1 |
| 11411012700 | 3221910188016 | 27 | CM3 | 343 | 222 | 1 | 1 |
| 11411012750 | 3221910188023 | 27,5 | CM3 | 343 | 222 | 1 | 1 |
| 11411012800 | 3221910188030 | 28 | CM3 | 343 | 222 | 1 | 1 |
| 11411012850 | 3221910188047 | 28,5 | CM3 | 351 | 230 | 1 | 1 |
| 11411012900 | 3221910188054 | 29 | CM3 | 351 | 230 | 1 | 1 |
| 11411012950 | 3221910188061 | 29,5 | CM3 | 351 | 230 | 1 | 1 |
| 11411013000 | 3221910188078 | 30 | CM3 | 351 | 230 | 1 | 1 |
| 11411013050 | 3221910188085 | 30,5 | CM3 | 360 | 239 | 1 | 1 |
| 11411013100 | 3221910188092 | 31 | CM3 | 360 | 239 | 1 | 1 |
| 11411013150 | 3221910188108 | 31,5 | CM3 | 360 | 239 | 1 | 1 |
| 11411013200 | 3221910188115 | 32 | CM4 | 397 | 248 | 1 | 1 |
| 11411013300 | 3221910188139 | 33 | CM4 | 397 | 248 | 1 | 1 |
| 11411013400 | 3221910188153 | 34 | CM4 | 406 | 257 | 1 | 1 |
| 11411013500 | 3221910188177 | 35 | CM4 | 406 | 257 | 1 | 1 |
| 11411013600 | 3221910188191 | 36 | CM4 | 416 | 267 | 1 | 1 |
| 11411013700 | 3221910188214 | 37 | CM4 | 416 | 267 | 1 | 1 |
| 11411013800 | 3221910188238 | 38 | CM4 | 426 | 277 | 1 | 1 |
| 11411013900 | 3221910188252 | 39 | CM4 | 426 | 277 | 1 | 1 |
| 11411014000 | 3221910188276 | 40 | CM4 | 426 | 277 | 1 | 1 |

* Jusqu'à épuisement des stocks
While stocks last





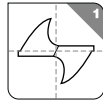
**HSS FULLY GROUND EXTRA LONG
SERIES DRILL MORSE TAPER
SHANK | L 315 & 400**

HSS

**STEAM
TREATED**

**NFE
66076**

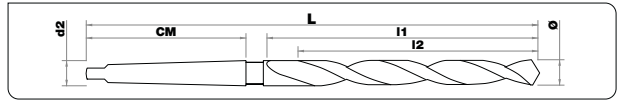
>10xd



118°

**N
TYPE**

h8



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones. Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB

Steels for heat treatment
200-700N/mm²
Aceros para tratamiento térmico
200-700 N/mm²
Acciai per trattamento termico
200-700N/mm²

C

Heat Treatable Steels <950N/
mm²
Aceros aleados y tratados <
950N/mm²
Acciai per trattamento termico
<950N/mm²

H

Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici

IJ

Cast iron
Fundiciones
Ghisa

| 1142041 | EAN | Ø | CM | L | I1 | QTY PCB |
|-------------|---------------|------|-----|-----|-----|---------|
| 11420410600 | 3221910190897 | 6 | CM1 | 315 | 235 | 1 1 |
| 11420410700 | 3221910190910 | 7 | CM1 | 315 | 235 | 1 1 |
| 11420410750 | 3221910190927 | 7,5 | CM1 | 315 | 235 | 1 1* |
| 11420410800 | 3221910190934 | 8 | CM1 | 315 | 235 | 1 1 |
| 11420410900 | 3221910190958 | 9 | CM1 | 315 | 235 | 1 1 |
| 11420411000 | 3221910190972 | 10 | CM1 | 315 | 235 | 1 1 |
| 11420411050 | 3221910190989 | 10,5 | CM1 | 315 | 235 | 1 1 |
| 11420411100 | 3221910190996 | 11 | CM1 | 315 | 235 | 1 1 |
| 11420411150 | 3221910191009 | 11,5 | CM1 | 315 | 235 | 1 1 |
| 11420411200 | 3221910191016 | 12 | CM2 | 315 | 215 | 1 1 |
| 11420411250 | 3221910191023 | 12,5 | CM2 | 315 | 215 | 1 1 |
| 11420411300 | 3221910191030 | 13 | CM2 | 315 | 215 | 1 1 |
| 11420411350 | 3221910191047 | 13,5 | CM2 | 315 | 215 | 1 1 |
| 11420411400 | 3221910191054 | 14 | CM2 | 315 | 215 | 1 1 |
| 11420411450 | 3221910191061 | 14,5 | CM2 | 315 | 215 | 1 1 |
| 11420411500 | 3221910191078 | 15 | CM2 | 315 | 215 | 1 1 |
| 11420411550 | 3221910191092 | 15,5 | CM2 | 315 | 215 | 1 1 |
| 11420411600 | 3221910191108 | 16 | CM2 | 315 | 215 | 1 1 |
| 11420411650 | 3221910191115 | 16,5 | CM2 | 315 | 215 | 1 1 |
| 11420411700 | 3221910191122 | 17 | CM2 | 315 | 215 | 1 1 |
| 11420411750 | 3221910191139 | 17,5 | CM2 | 315 | 215 | 1 1 |
| 11420411800 | 3221910191146 | 18 | CM2 | 315 | 215 | 1 1 |
| 11420411850 | 3221910191153 | 18,5 | CM2 | 315 | 215 | 1 1 |
| 11420411900 | 3221910191160 | 19 | CM2 | 315 | 215 | 1 1 |
| 11420411950 | 3221910191177 | 19,5 | CM2 | 315 | 215 | 1 1 |
| 11420412000 | 3221910191184 | 20 | CM2 | 315 | 215 | 1 1 |
| 11420412050 | 3221910191191 | 20,5 | CM2 | 315 | 215 | 1 1 |
| 11420412100 | 3221910191207 | 21 | CM2 | 315 | 215 | 1 1 |
| 11420412150 | 3221910191214 | 21,5 | CM2 | 315 | 215 | 1 1 |
| 11420412200 | 3221910191221 | 22 | CM2 | 315 | 215 | 1 1 |
| 11420412250 | 3221910191238 | 22,5 | CM2 | 315 | 215 | 1 1 |
| 11420412300 | 3221910191245 | 23 | CM2 | 315 | 215 | 1 1 |



| 1142051 | EAN | Ø | CM | L | I1 | QTY PCB |
|-------------|---------------|------|-----|-----|-----|---------|
| 11420511000 | 3221910191252 | 10 | CM1 | 400 | 300 | 1 1 |
| 11420511050 | 3221910191269 | 10,5 | CM1 | 400 | 300 | 1 1 |
| 11420511100 | 3221910191276 | 11 | CM1 | 400 | 300 | 1 1 |
| 11420511150 | 3221910191283 | 11,5 | CM1 | 400 | 300 | 1 1 |
| 11420511200 | 3221910191290 | 12 | CM2 | 400 | 300 | 1 1 |
| 11420511250 | 3221910191306 | 12,5 | CM2 | 400 | 300 | 1 1 |
| 11420511300 | 3221910191313 | 13 | CM2 | 400 | 300 | 1 1 |
| 11420511350 | 3221910191320 | 13,5 | CM2 | 400 | 300 | 1 1 |
| 11420511400 | 3221910191337 | 14 | CM2 | 400 | 300 | 1 1 |
| 11420511450 | 3221910191344 | 14,5 | CM2 | 400 | 300 | 1 1 |
| 11420511500 | 3221910191351 | 15 | CM2 | 400 | 300 | 1 1 |
| 11420511550 | 3221910191368 | 15,5 | CM2 | 400 | 300 | 1 1 |
| 11420511600 | 3221910191375 | 16 | CM2 | 400 | 300 | 1 1 |
| 11420511650 | 3221910191382 | 16,5 | CM2 | 400 | 300 | 1 1 |
| 11420511700 | 3221910191399 | 17 | CM2 | 400 | 300 | 1 1 |
| 11420511750 | 3221910191405 | 17,5 | CM2 | 400 | 300 | 1 1 |
| 11420511800 | 3221910191412 | 18 | CM2 | 400 | 300 | 1 1 |



* Jusqu'à épaissement des stocks
While stocks last



| 1142051 | EAN | Ø | CM | L | I1 | QTY PCB |
|-------------|---------------|------|-----|-----|-----|---------|
| 11420511850 | 3221910191429 | 18,5 | CM2 | 400 | 300 | 1 1 |
| 11420511900 | 3221910191436 | 19 | CM2 | 400 | 300 | 1 1 |
| 11420511950 | 3221910191443 | 19,5 | CM2 | 400 | 300 | 1 1 |
| 11420512000 | 3221910191450 | 20 | CM2 | 400 | 300 | 1 1 |
| 11420512050 | 3221910191467 | 20,5 | CM2 | 400 | 300 | 1 1 |
| 11420512100 | 3221910191474 | 21 | CM2 | 400 | 300 | 1 1 |
| 11420512150 | 3221910191481 | 21,5 | CM2 | 400 | 300 | 1 1 |
| 11420512200 | 3221910191498 | 22 | CM2 | 400 | 300 | 1 1 |
| 11420512250 | 3221910191504 | 22,5 | CM2 | 400 | 300 | 1 1 |
| 11420512300 | 3221910191511 | 23 | CM2 | 400 | 300 | 1 1 |
| 11420512400 | 3221910191528 | 24 | CM3 | 400 | 300 | 1 1 |
| 11420512500 | 3221910191535 | 25 | CM3 | 400 | 275 | 1 1 |
| 11420512600 | 3221910191542 | 26 | CM3 | 400 | 275 | 1 1 |
| 11420512700 | 3221910191559 | 27 | CM3 | 400 | 275 | 1 1 |
| 11420512800 | 3221910191566 | 28 | CM3 | 400 | 275 | 1 1 |
| 11420512900 | 3221910191573 | 29 | CM3 | 400 | 275 | 1 1 |
| 11420513000 | 3221910191580 | 30 | CM3 | 400 | 275 | 1 1 |
| 11420513100 | 3221910191597 | 31 | CM3 | 400 | 275 | 1 1 |



TEMPERED ADAPTER.

CASQUILLO DE REDUCCIÓN TEMPLADO.

BUSSOLA DI RIDUZIONE TEMPERATA.



Rectified interior and exterior cones.

Conos interiores y exteriores rectificados.

Coni interni ed esterni rettificati.



| 1110341 | EAN | CE | CI | L | QTY PCB | € |
|-------------|---------------|----|----|-----|---------|---|
| 11103410201 | 3221910520458 | 2 | 1 | 92 | 1 1 | |
| 11103410301 | 3221910520472 | 3 | 1 | 99 | 1 1 | |
| 11103410302 | 3221910520489 | 3 | 2 | 112 | 1 1 | |
| 11103410402 | 3221910520526 | 4 | 2 | 124 | 1 1 | |
| 11103410403 | 3221910520533 | 4 | 3 | 140 | 1 1 | |
| 11103410504 | 3221910520571 | 5 | 4 | 171 | 1 1 | |



TEMPERED ELONGATED ADAPTER.

CASQUILLO DE REDUCCIÓN LARGO TEMPLADO.

BUSSOLA DI RIDUZIONE ALLUNGATA TEMPERATA.



Rectified interior and exterior cones.

Conos interiores y exteriores rectificados.

Coni interni ed esterni rettificati.



| 1110361 | EAN | CE | CI | L | QTY PCB | € |
|-------------|---------------|----|----|-----|---------|---|
| 11103610201 | 3221910521028 | 2 | 1 | 160 | 1 1 | |
| 11103610202 | 3221910521035 | 2 | 2 | 175 | 1 1 | |
| 11103610203 | 3221910521042 | 2 | 3 | 196 | 1 1 | |
| 11103610302 | 3221910521073 | 3 | 2 | 194 | 1 1 | |
| 11103610304 | 3221910521097 | 3 | 4 | 240 | 1 1 | |
| 11103610405 | 3221910521141 | 4 | 5 | 300 | 1 1 | |

