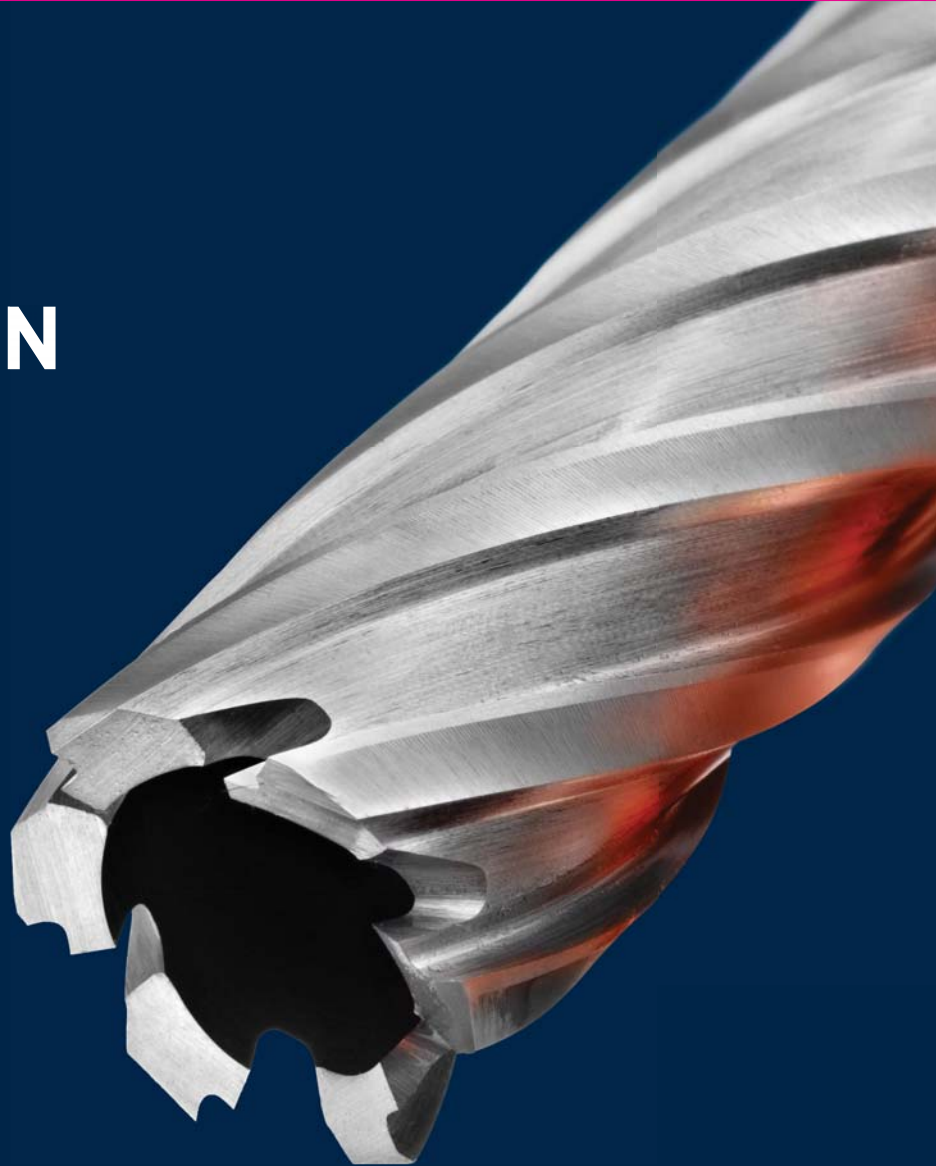


GATZAGEN KERNBOREN



ROTEC[®]
CUTTING TOOLS

Toerentabel voor kernboren

| Materiaal | Ongelegeerd staal tot 700 N/mm | Gelegeerd staal/RVS tot 1000 N/mm | Gietijzer meer dan 250 N/mm | CuZn-lege- ringen bros | CuZn-lege- ringen taai | Alu-lege- ringen tot 11% Si | Kunststoffen | Duroplaste | |
|-----------|--------------------------------------|---|-----------------------------------|------------------------------|------------------------------|-----------------------------------|--------------|------------|-----|
| Vc=m/min | 30 | 20 | 10 | 60 | 35 | 30 | 20 | 15 | |
| 12 | 15/32 | 796 | 531 | 265 | 1592 | 929 | 796 | 531 | 398 |
| 13 | 33/64 | 735 | 490 | 245 | 1470 | 857 | 735 | 490 | 367 |
| 14 | 35/64 | 682 | 455 | 227 | 1365 | 796 | 682 | 455 | 341 |
| 15 | 19/32 | 637 | 425 | 212 | 1274 | 743 | 637 | 425 | 318 |
| 16 | 5/8 | 597 | 398 | 199 | 1194 | 697 | 597 | 398 | 299 |
| 17 | 43/64 | 562 | 375 | 187 | 1124 | 656 | 562 | 375 | 281 |
| 18 | 45/64 | 531 | 354 | 177 | 1062 | 619 | 531 | 354 | 265 |
| 19 | 3/4 | 503 | 335 | 168 | 1006 | 587 | 503 | 335 | 251 |
| 20 | 25/32 | 478 | 318 | 159 | 955 | 557 | 478 | 318 | 239 |
| 21 | 53/64 | 455 | 303 | 152 | 910 | 531 | 455 | 303 | 227 |
| 22 | 7/8 | 434 | 290 | 145 | 869 | 507 | 434 | 290 | 217 |
| 23 | 29/32 | 415 | 277 | 138 | 831 | 485 | 415 | 277 | 208 |
| 24 | 15/16 | 398 | 265 | 133 | 796 | 464 | 398 | 265 | 199 |
| 25 | 63/64 | 382 | 255 | 127 | 764 | 446 | 382 | 255 | 191 |
| 26 | 1 1/32 | 367 | 245 | 122 | 735 | 429 | 367 | 245 | 184 |
| 27 | 1 1/16 | 354 | 236 | 118 | 708 | 413 | 354 | 236 | 177 |
| 28 | 1 3/32 | 341 | 227 | 114 | 682 | 398 | 341 | 227 | 171 |
| 29 | 1 9/64 | 329 | 220 | 110 | 659 | 384 | 329 | 220 | 165 |
| 30 | 1 3/16 | 318 | 212 | 106 | 637 | 372 | 318 | 212 | 159 |
| 31 | 1 7/32 | 308 | 205 | 103 | 616 | 360 | 308 | 205 | 154 |
| 32 | 1 17/64 | 299 | 199 | 100 | 597 | 348 | 299 | 199 | 149 |
| 33 | 1 19/64 | 290 | 193 | 97 | 579 | 338 | 290 | 193 | 145 |
| 34 | 1 11/32 | 281 | 187 | 94 | 562 | 328 | 281 | 187 | 141 |
| 35 | 1 3/8 | 273 | 182 | 91 | 546 | 318 | 273 | 182 | 136 |
| 36 | 1 27/64 | 265 | 177 | 88 | 531 | 310 | 265 | 177 | 133 |
| 37 | 1 29/64 | 258 | 172 | 86 | 516 | 301 | 258 | 172 | 129 |
| 38 | 1 1/2 | 251 | 168 | 84 | 503 | 293 | 251 | 168 | 126 |
| 39 | 1 17/32 | 245 | 163 | 82 | 490 | 286 | 245 | 163 | 122 |
| 40 | 1 37/64 | 239 | 159 | 80 | 478 | 279 | 239 | 159 | 119 |
| 41 | 1 39/64 | 233 | 155 | 78 | 466 | 272 | 233 | 155 | 117 |
| 42 | 1 21/32 | 227 | 152 | 76 | 455 | 265 | 227 | 152 | 114 |
| 43 | 1 11/16 | 222 | 148 | 74 | 444 | 259 | 222 | 148 | 111 |
| 44 | 1 47/64 | 217 | 145 | 72 | 434 | 253 | 217 | 145 | 109 |
| 45 | 1 25/32 | 212 | 142 | 71 | 425 | 248 | 212 | 142 | 106 |
| 46 | 1 13/16 | 208 | 138 | 69 | 415 | 242 | 208 | 138 | 104 |
| 47 | 1 55/64 | 203 | 136 | 68 | 407 | 237 | 203 | 136 | 102 |
| 48 | 1 57/64 | 199 | 133 | 66 | 398 | 232 | 199 | 133 | 100 |
| 49 | 1 15/16 | 195 | 130 | 65 | 390 | 227 | 195 | 130 | 97 |
| 50 | 1 31/32 | 191 | 127 | 64 | 382 | 223 | 191 | 127 | 96 |
| 60 | 2 3/8 | 159 | 106 | 70 | 318 | 186 | 159 | 106 | 80 |
| 70 | 2 3/4 | 136 | 91 | 58 | 273 | 159 | 136 | 91 | 68 |
| 80 | 2 5/32 | 115 | 81 | 48 | 239 | 139 | 115 | 81 | 59 |
| 90 | 2 35/64 | 104 | 72 | 42 | 212 | 124 | 104 | 72 | 53 |
| 100 | 2 15/16 | 95 | 62 | 37 | 191 | 115 | 95 | 62 | 48 |



Uitvoering: Bi-metalen gatzagaag met gefreesde tandenrij. Tandentrij van 8% cobalt voor gelegerd staal, daardoor excellente prestaties in staal en rvs. Robuuste constructie vanwege extra stevig deksel met als voordeel stabielere boren. 100% Made in Germany!

Toepassing: Staal, rvs, gietijzer, messing, brons, aluminium, hout en div. kunststoffen.

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 14,0 | 9/16" | 38 | 527.0140 | 9,00 |
| 16,0 | 5/8" | 38 | 527.0160 | 9,00 |
| 17,0 | 11/16" | 38 | 527.0170 | 9,00 |
| 19,0 | 3/4" | 38 | 527.0190 | 9,00 |
| 20,0 | - | 38 | 527.0200 | 9,00 |
| 21,0 | 13/16" | 38 | 527.0210 | 9,00 |
| 22,0 | 7/8" | 38 | 527.0220 | 9,20 |
| 23,0 | 19/21" | 38 | 527.0230 | 9,20 |
| 24,0 | 15/16" | 38 | 527.0240 | 9,20 |
| 25,0 | 1" | 38 | 527.0250 | 9,59 |
| 27,0 | 1-1/16" | 38 | 527.0270 | 9,59 |
| 29,0 | 1-1/8" | 38 | 527.0290 | 9,84 |
| 30,0 | 1-3/16" | 38 | 527.0300 | 9,84 |
| 32,0 | 1-1/4" | 38 | 527.0320 | 9,84 |
| 33,0 | 1-5/16" | 38 | 527.0330 | 9,84 |
| 35,0 | 1-3/8" | 38 | 527.0350 | 10,28 |
| 37,0 | 1-7/16" | 38 | 527.0370 | 10,28 |
| 38,0 | 1-1/2" | 38 | 527.0380 | 10,28 |
| 40,0 | 1-9/16" | 38 | 527.0400 | 10,28 |
| 41,0 | 1-5/8" | 38 | 527.0410 | 10,28 |
| 43,0 | 1-11/16" | 38 | 527.0430 | 10,28 |
| 44,0 | 1-3/4" | 38 | 527.0440 | 12,52 |
| 46,0 | 1-13/16" | 38 | 527.0460 | 12,52 |
| 48,0 | 1-7/8" | 38 | 527.0480 | 12,52 |
| 51,0 | 2" | 38 | 527.0510 | 12,52 |
| 52,0 | 2-1/16" | 38 | 527.0520 | 15,66 |
| 54,0 | 2-1/8" | 38 | 527.0540 | 15,66 |
| 57,0 | 2-1/4" | 38 | 527.0570 | 15,66 |
| 58,0 | - | 38 | 527.0580 | 15,66 |
| 59,0 | 2-5/16" | 38 | 527.0590 | 15,66 |
| 60,0 | 2-3/8" | 38 | 527.0600 | 15,66 |

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 64,0 | 2-1/2" | 38 | 527.0640 | 17,03 |
| 65,0 | 2-9/16" | 38 | 527.0650 | 17,03 |
| 67,0 | 2-5/8" | 38 | 527.0670 | 17,03 |
| 68,0 | - | 38 | 527.0680 | 17,03 |
| 70,0 | 2-3/4" | 38 | 527.0700 | 17,03 |
| 73,0 | 2-7/8" | 38 | 527.0730 | 17,03 |
| 76,0 | 3" | 38 | 527.0760 | 17,47 |
| 79,0 | 3-1/8" | 38 | 527.0790 | 17,47 |
| 83,0 | 3-1/4" | 38 | 527.0830 | 18,59 |
| 86,0 | 3-3/8" | 38 | 527.0860 | 19,62 |
| 89,0 | 3-1/2" | 38 | 527.0890 | 19,82 |
| 92,0 | 3-5/8" | 38 | 527.0920 | 20,35 |
| 95,0 | 3-3/4" | 38 | 527.0950 | 21,53 |
| 98,0 | 3-7/8" | 38 | 527.0980 | 24,76 |
| 102,0 | 4" | 38 | 527.1020 | 24,76 |
| 105,0 | 4-1/8" | 38 | 527.1050 | 27,74 |
| 108,0 | 4-1/4" | 38 | 527.1080 | 35,67 |
| 111,0 | 4-3/8" | 38 | 527.1110 | 40,46 |
| 114,0 | 4-1/2" | 38 | 527.1140 | 49,96 |
| 121,0 | 4-3/4" | 38 | 527.1210 | 54,94 |
| 127,0 | 5" | 38 | 527.1270 | 60,77 |
| 133,0 | 5-1/4" | 38 | 527.1330 | 71,29 |
| 140,0 | 5-1/2" | 38 | 527.1400 | 72,16 |
| 146,0 | 5-3/4" | 38 | 527.1460 | 79,17 |
| 152,0 | 6" | 38 | 527.1520 | 83,51 |
| 160,0 | 6-1/3" | 38 | 527.1600 | 131,36 |
| 168,0 | 6-5/8" | 38 | 527.1680 | 138,91 |
| 177,0 | 7" | 38 | 527.1770 | 144,92 |
| 200,0 | 7-14/16" | 38 | 527.2000 | 156,72 |
| 210,0 | 8-1/4" | 38 | 527.2100 | 169,02 |

BiM Gatzagen, fijnvertand (8/12)



Uitvoering: FV-type met regelmatige fijnvertanding (8/12 tpi) , max. snijdiepte 38 mm.

Toepassing: Voor het zagen in dunwandig plaatmateriaal met een maximum wanddikte van 2,0 mm. Roestvaststaal tot max. 1,0 mm dikte.

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 14,0 | 9/16" | 38 | 530.5140 | 11,12 |
| 16,0 | 5/8" | 38 | 530.5160 | 11,08 |
| 17,0 | 11/16" | 38 | 530.5170 | 11,41 |
| 19,0 | 3/4" | 38 | 530.5190 | 11,08 |
| 20,0 | 25/32" | 38 | 530.5200 | 11,08 |
| 21,0 | 13/16" | 38 | 530.5210 | 11,79 |
| 22,0 | 7/8" | 38 | 530.5220 | 11,45 |
| 23,0 | 19/21" | 38 | 530.5230 | 11,79 |
| 24,0 | 15/16" | 38 | 530.5240 | 12,66 |
| 25,0 | 1" | 38 | 530.5250 | 11,87 |
| 27,0 | 1-1/16" | 38 | 530.5270 | 14,92 |
| 29,0 | 1-1/8" | 38 | 530.5290 | 12,29 |
| 30,0 | 1-3/16" | 38 | 530.5300 | 14,92 |
| 32,0 | 1-1/4" | 38 | 530.5320 | 13,53 |
| 35,0 | 1-3/8" | 38 | 530.5350 | 15,20 |
| 38,0 | 1-1/2" | 38 | 530.5380 | 15,57 |
| 40,0 | 1-9/16" | 38 | 530.5400 | 16,46 |
| 41,0 | 1-5/8" | 38 | 530.5410 | 16,46 |

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 43,0 | 1-11/16" | 38 | 530.5430 | 19,00 |
| 44,0 | 1-3/4" | 38 | 530.5440 | 17,24 |
| 46,0 | 1-13/16" | 38 | 530.5460 | 17,66 |
| 48,0 | 1-7/8" | 38 | 530.5480 | 18,45 |
| 51,0 | 2" | 38 | 530.5510 | 17,24 |
| 54,0 | 2-1/8" | 38 | 530.5540 | 21,14 |
| 57,0 | 2-1/4" | 38 | 530.5570 | 22,25 |
| 60,0 | 2-3/8" | 38 | 530.5600 | 23,50 |
| 64,0 | 2-1/2" | 38 | 530.5640 | 25,91 |
| 65,0 | 2-9/16" | 38 | 530.5650 | 26,14 |
| 68,0 | - | 38 | 530.5680 | 27,25 |
| 70,0 | 2-3/4" | 38 | 530.5700 | 27,86 |
| 73,0 | 2-7/8" | 38 | 530.5730 | 28,74 |
| 76,0 | 3" | 38 | 530.5760 | 29,25 |
| 83,0 | 3-1/4" | 38 | 530.5830 | 30,68 |
| 86,0 | 3-3/8" | 38 | 530.5860 | 31,80 |
| 92,0 | 3-5/8" | 38 | 530.5920 | 34,02 |
| 98,0 | 3-7/8" | 38 | 530.5980 | 36,58 |

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 105,0 | 4-1/8" | 38 | 530.6105 | 42,68 |
| 108,0 | 4-1/4" | 38 | 530.6108 | 44,50 |

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 114,0 | 4-1/2" | 38 | 530.6114 | 47,88 |
| 127,0 | 5" | 38 | 530.6127 | 56,69 |

Quick-Lock Houders



1

2

3

4



| Nr. | Omschrijving | Schacht | Bereik (mm) | Art.nr. | € / st |
|-----|---------------|----------|-------------|----------|--------|
| 1 | Quick Adapter | 6-knt. 9 | 14-30 mm | 527.3020 | 12,95 |
| 2 | Quick Adapter | 6-knt. 9 | 32-210 mm | 527.3021 | 18,75 |
| 3 | Quick Adapter | SDS+ | 14-30 mm | 527.3030 | 14,50 |
| 4 | Quick Adapter | SDS+ | 32-210 mm | 527.3031 | 19,50 |



1



2



3

Uitvoering: HSS centreerboor t.b.v. Quick Adapter. Totaallengte 90mm.

| Nr. | Omschrijving | Gatzagen | Lengte | Art.nr. | € / st |
|-----|--------------|----------|--------|----------|--------|
| 1 | Centreerboor | 527.xxxx | 90mm | 527.3023 | 3,50 |
| 2 | Centreerboor | 528.xxxx | 110mm | 527.3024 | 3,95 |
| 3 | Centreerboor | 528.xxxx | 110mm | 527.3025 | 3,95 |



| Omschrijving | Schacht | Lengte | Art.nr. | € / st |
|--------------|----------|--------|----------|--------|
| Verlengstuk | 6-knt. 9 | 300 mm | 527.3040 | 17,00 |

BiM Gatzagensets (4/6) met Quick-Lock



| Omschrijving | Type | Inhoud | Art.nr. | € / set |
|--|-------|---|----------|---------|
| 10-dlg. Set HSS-BiMCo8 Gatzagenset "Loodgieter" | "527" | 1x ø19, 22, 27, 32, 35, 40, 51 en 64mm 1x Quick-Lock houder 14-30mm 1x Quick-Lock houder 32-210mm | 527.4105 | 125,00 |
| 10-dlg. Set HSS-BiMCo8 Gatzagenset "Elektriciën" | "527" | 1x ø22, 27, 32, 35, 38, 44, 51, 68 en 76mm 1x Quick-Lock houder 14-30mm 1x Quick-Lock houder 32-210mm | 527.4110 | 139,00 |
| 14-dlg. Set HSS-BiMCo8 Gatzagenset "Allround" | "527" | 1x ø19, 22, 25, 32, 35, 38, 44, 51, 57, 64, 68 en 76mm 1x Quick-Lock houder 14-30mm 1x Quick-Lock houder 32-210mm | 527.4125 | 209,00 |

Quick-Change Starterkits



Uitvoering: Quick Change houder met 1 adapter 1/2x20 UNF en 1 adapter 5/8x18 UNF t.b.v. HSS-Bi gatzagen.

| Omschrijving | Schacht | Centreerb. | Art.nr. | € / st |
|----------------------------|------------|------------|----------|--------------|
| Quick change houder | 6-knt. 8,5 | HSS | 527.3106 | 29,95 |
| Quick change houder | 6-knt. 11 | HSS | 527.3111 | 29,95 |

Quick-Change Houders



Uitvoering: Quick Change houder t.b.v. HSS-Bi gatzagen.

| Omschrijving | Schacht | Centreerb. | Art.nr. | € / st |
|---------------------|------------|------------|----------|--------------|
| Quick change | 6-knt. 8,5 | HSS | 527.3105 | 27,50 |
| Quick change | 6-knt. 11 | HSS | 527.3110 | 26,91 |



| Omschrijving | Art.nr. | € / st |
|-------------------------|----------|-------------|
| HSS Centreerboor | 527.3150 | 4,25 |



Uitvoering: Quick Change adapter voor gatzagen 14 t/m 30 mm.

| Omschrijving | Opname | VE | Art.nr. | € / VE |
|----------------|-------------|----|----------|--------------|
| Adapter | 1/2"-20 UNF | 1 | 528.3155 | 2,30 |
| Adapter | 1/2"-20 UNF | 5 | 528.3156 | 9,98 |
| Adapter | 1/2"-20 UNF | 10 | 528.3157 | 19,43 |
| Adapter | 5/8"-18 UNF | 1 | 528.3160 | 2,57 |
| Adapter | 5/8"-18 UNF | 5 | 528.3161 | 9,98 |
| Adapter | 5/8"-18 UNF | 10 | 528.3162 | 19,43 |

BiM Gatzagensets (4/6) met Quick-Change



| Omschrijving | Type | Inhoud | Art.nr. | € / set |
|--|-------|---|----------|---------------|
| 13-dlg. Set HSS-BiMCo8 Gatzagenset "Elektriciën" 6-knt | "527" | 1x ø22, 27, 32, 35, 38, 44, 51, 60, 68 en 76mm 1x Quick-Change houder (6-knt. 11) 2x HSS Centreerboor | 527.5105 | 195,00 |
| 13-dlg. Set HSS-BiMCo8 Gatzagenset "Elektriciën" SDS+ | "527" | 1x ø22, 27, 32, 35, 38, 44, 51, 60, 68 en 76mm 1x Quick-Change houder (SDS+) 2x HSS Centreerboor | 527.6105 | 205,00 |
| 16-dlg. Set HSS-BiMCo8 Gatzagenset "Allround" 6-knt | "527" | 1x ø19, 22, 25, 32, 35, 38, 44, 51, 57, 60, 64, 68 en 76mm 1x Quick-Change houder (6-knt. 11) 2x HSS Centreerboor | 527.5110 | 225,00 |
| 16-dlg. Set HSS-BiMCo8 Gatzagenset "Allround" SDS+ | "527" | 1x ø19, 22, 25, 32, 35, 38, 44, 51, 57, 60, 64, 68 en 76mm 1x Quick-Change houder (SDS+) 2x HSS Centreerboor | 527.6110 | 239,00 |
| 19-dlg. Set HSS BiMCo8 Gatzagenset "MAX" 6-knt | "527" | 1x ø19, 22, 25, 29, 32, 35, 38, 44, 51, 57, 60, 64, 68, 76, 83 en 92mm 1x Quick-Change houder (6-knt. 11) 2x HSS Centreerboor | 527.5115 | 269,00 |
| 19-dlg. HSS BiMCo8 Gatzagenset "MAX" SDS+ | "527" | 1x ø19, 22, 25, 29, 32, 35, 38, 44, 51, 57, 60, 64, 68, 76, 83 en 92mm 1x Quick-Change houder (SDS+) 2x HSS Centreerboor | 527.6115 | 279,00 |



Uitvoering: Stabiele gatzagaag voorzien van hardmetalen tanden. Snijdiepte tot 57 mm. Zaagt tot wel 5x sneller dan traditionele gatzagaag.

Toepassing: Probleemloos zagen in alle zacht- en hardhoutsoorten, spaanplaat, MDF, kunststoffen zoals PVC en nylon, gips, gasbeton, zachte steensoorten en wandtegels tot kernhardheid 6.

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 14,0 | 9/16" | 57 | 528.0140 | 9,24 |
| 16,0 | 5/8" | 57 | 528.0160 | 9,24 |
| 17,0 | 11/16" | 57 | 528.0170 | 9,24 |
| 19,0 | 3/4" | 57 | 528.0190 | 9,24 |
| 20,0 | 25/32" | 57 | 528.0200 | 9,24 |
| 21,0 | 13/16" | 57 | 528.0210 | 9,24 |
| 22,0 | 7/8" | 57 | 528.0220 | 9,24 |
| 24,0 | 15/16" | 57 | 528.0240 | 9,24 |
| 25,0 | 1" | 57 | 528.0250 | 9,24 |
| 27,0 | 1-1/16" | 57 | 528.0270 | 9,84 |
| 28,0 | 1-1/8" | 57 | 528.0280 | 9,84 |
| 29,0 | 1-1/8" | 57 | 528.0290 | 9,84 |
| 30,0 | 1-3/16" | 57 | 528.0300 | 9,84 |
| 32,0 | 1-1/4" | 57 | 528.0320 | 9,84 |
| 33,0 | 1-5/16" | 57 | 528.0330 | 10,79 |
| 35,0 | 1-3/8" | 57 | 528.0350 | 10,79 |
| 37,0 | 1-7/16" | 57 | 528.0370 | 10,79 |
| 38,0 | 1-1/2" | 57 | 528.0380 | 10,79 |
| 40,0 | 1-9/16" | 57 | 528.0400 | 11,90 |
| 41,0 | 1-5/8" | 57 | 528.0410 | 13,27 |
| 43,0 | 1-11/16" | 57 | 528.0430 | 13,27 |
| 44,0 | 1-3/4" | 57 | 528.0440 | 13,27 |
| 46,0 | 1-13/16" | 57 | 528.0460 | 13,27 |
| 48,0 | 1-7/8" | 57 | 528.0480 | 13,27 |
| 51,0 | 2" | 57 | 528.0510 | 13,52 |
| 52,0 | 2-1/16" | 57 | 528.0520 | 13,52 |
| 54,0 | 2-1/8" | 57 | 528.0540 | 16,09 |
| 57,0 | 2-1/4" | 57 | 528.0570 | 16,18 |
| 59,0 | 2-5/16" | 57 | 528.0590 | 16,18 |
| 60,0 | 2-3/8" | 57 | 528.0600 | 16,18 |
| 64,0 | 2-1/2" | 57 | 528.0640 | 17,72 |

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 65,0 | 2-9/16" | 57 | 528.0650 | 17,72 |
| 67,0 | 2-5/8" | 57 | 528.0670 | 17,80 |
| 68,0 | 2-11/16" | 57 | 528.0680 | 17,80 |
| 70,0 | 2-3/4" | 57 | 528.0700 | 17,80 |
| 73,0 | 2-7/8" | 57 | 528.0730 | 17,80 |
| 76,0 | 3" | 57 | 528.0760 | 19,69 |
| 79,0 | 3-1/8" | 57 | 528.0790 | 19,69 |
| 80,0 | - | 57 | 528.0800 | 19,69 |
| 82,0 | - | 57 | 528.0820 | 19,69 |
| 83,0 | 3-1/4" | 57 | 528.0830 | 20,12 |
| 86,0 | 3-3/8" | 57 | 528.0860 | 23,11 |
| 89,0 | 3-1/2" | 57 | 528.0890 | 23,11 |
| 92,0 | 3-5/8" | 57 | 528.0920 | 23,11 |
| 95,0 | 3-3/4" | 57 | 528.0950 | 24,91 |
| 98,0 | 3-1/2" | 57 | 528.0980 | 26,62 |
| 102,0 | 4" | 57 | 528.1020 | 27,73 |
| 105,0 | 4-1/8" | 57 | 528.1050 | 28,68 |
| 108,0 | 4-1/4" | 57 | 528.1080 | 36,55 |
| 111,0 | 4-3/8" | 57 | 528.1110 | 40,32 |
| 114,0 | 4-1/2" | 57 | 528.1140 | 46,14 |
| 121,0 | 4-3/4" | 57 | 528.1210 | 47,08 |
| 125,0 | - | 57 | 528.1250 | 53,67 |
| 127,0 | 5" | 57 | 528.1270 | 56,41 |
| 133,0 | 5-1/4" | 57 | 528.1330 | 64,03 |
| 140,0 | 5-1/2" | 57 | 528.1400 | 67,20 |
| 152,0 | 6" | 57 | 528.1520 | 71,39 |
| 160,0 | 6-19/64" | 57 | 528.1600 | 82,18 |
| 165,0 | 6-1/2" | 57 | 528.1650 | 82,18 |
| 168,0 | 6-39/64" | 57 | 528.1680 | 87,57 |
| 178,0 | 7" | 57 | 528.1780 | 96,90 |
| 200,0 | 7-7/8" | 57 | 528.2000 | 118,21 |

Quick-Change Starterkits (HSS)



Uitvoering: Quick Change houder met 1 adapter 1/2x20 UNF en 1 adapter 5/8x18 UNF t.b.v. MP gatzagen.

| Omschrijving | Schacht | Centreerb. | Art.nr. | € / st |
|-----------------------|------------|------------|----------|--------|
| QC Starter-kit | 6-knt. 8,5 | HSS | 528.3116 | 31,45 |
| QC Starter-kit | 6-knt. 11 | HSS | 528.3101 | 31,45 |

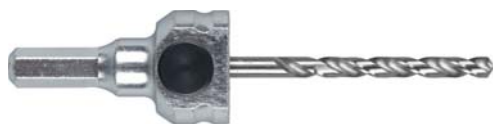
Quick-Change Starterkits (HM)



Uitvoering: Quick Change houder met 1 adapter 1/2x20 UNF en 1 adapter 5/8x18 UNF t.b.v. MP gatzagen, inclusief adapters.

| Omschrijving | Schacht | Centreerb. | Art.nr. | € / st |
|----------------------------|------------|------------|----------|--------|
| Quick change houder | 6-knt. 8,5 | HM | 528.3121 | 31,45 |
| Quick change houder | 6-knt. 11 | HM | 528.3106 | 31,45 |

Quick-Change Houders (HSS)



Uitvoering: Quick Change houder t.b.v. MP gatzagen.

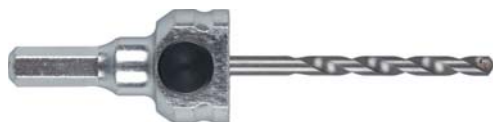
| Omschrijving | Schacht | Centreerb. | Art.nr. | € / st |
|---------------------|------------|------------|----------|--------|
| Quick change houder | 6-knt. 8,5 | HSS | 528.3115 | 26,91 |
| Quick change houder | 6-knt. 11 | HSS | 528.3100 | 26,91 |

Quick-Change Centreerboor (HSS)



| Omschrijving | Art.nr. | € / st |
|------------------|----------|--------|
| HSS Centreerboor | 528.3145 | 3,68 |

Quick-Change Houders (HM)



Uitvoering: Quick Change houder t.b.v. MP gatzagen.

| Omschrijving | Schacht | Centreerb. | Art.nr. | € / st |
|---------------------|------------|------------|----------|--------|
| Quick change houder | 6-knt. 8,5 | HM | 528.3120 | 26,91 |
| Quick change houder | 6-knt. 11 | HM | 528.3105 | 26,91 |

Quick-Change Centreerboor (HSS)



| Omschrijving | Art.nr. | € / st |
|-----------------|----------|--------|
| HM Centreerboor | 528.3140 | 2,84 |

Quick-Change Adapters



Uitvoering: Quick Change adapter voor gatzagen 19 t/m 30 mm.

| Omschrijving | Opname | VE | Art.nr. | € / VE |
|--------------|-------------|----|----------|--------|
| Adapter | 1/2"-20 UNF | 1 | 528.3155 | 2,30 |
| Adapter | 1/2"-20 UNF | 5 | 528.3156 | 9,98 |
| Adapter | 1/2"-20 UNF | 10 | 528.3157 | 19,43 |
| Adapter | 5/8"-18 UNF | 1 | 528.3160 | 2,57 |
| Adapter | 5/8"-18 UNF | 5 | 528.3161 | 9,98 |
| Adapter | 5/8"-18 UNF | 10 | 528.3162 | 19,43 |

MP-Gatzagensets met Quick-Change



| Omschrijving | Type | Inhoud | Art.nr. | € / set |
|---|-------|---|----------|---------|
| 13-dlg. Set MP-Gatzagen "Loodgieter" 6-knt. 11 | "528" | 1x ø22, 27, 32, 35, 38, 44, 51, 60, 68 en 76mm 1x Quick-Change houder [6-knt. 11] 2x HSS Centreerboor | 528.4105 | 204,75 |
| 13-dlg. Set MP-Gatzagen "Loodgieter" SDS+ | "528" | 1x ø22, 27, 32, 35, 38, 44, 51, 60, 68 en 76mm 1x Quick-Change houder (SDS+) 2x HSS Centreerboor | 528.6105 | 219,45 |
| 16-dlg. Set MP-Gatzagen "Elektriciën" 6-knt. 11 | "528" | 1x ø19, 22, 25, 32, 35, 38, 44, 51, 57, 60, 64, 68 en 76mm 1x Quick-Change houder [6-knt. 11] 2x HSS Centreerboor | 528.4110 | 236,25 |
| 16-dlg. Set MP-Gatzagen "Elektriciën" SDS+ | "528" | 1x ø19, 22, 25, 32, 35, 38, 44, 51, 57, 60, 64, 68 en 76mm 1x Quick-Change houder (SDS+) 2x HSS Centreerboor | 528.6110 | 250,95 |
| 19-dlg. Set MP-Gatzagen "Allround" 6-knt. 11 | "528" | 1x ø19, 22, 25, 29, 32, 35, 38, 44, 51, 57, 60, 64, 68, 76, 83 en 92mm 1x Quick-Change houder [6-knt. 11] 2x HSS Centreerboor | 528.4115 | 282,45 |
| 19-dlg. Set MP-Gatzagen "Allround" SDS+ | "528" | 1x ø19, 22, 25, 29, 32, 35, 38, 44, 51, 57, 60, 64, 68, 76, 83 en 92mm 1x Quick-Change houder (SDS+) 2x HSS Centreerboor | 528.6115 | 299,25 |

528 MP Gatzagen, 165mm



Uitvoering: Stabiele gatzaga voorzien van hardmetalen tanden. Snijdiepte tot **165 mm**. Zaagt tot wel 5x sneller dan traditionele gatzagaag.
Toepassing: Probleemloos zagen in alle zacht- en hardhoutsoorten, spaanplaat, MDF, kunststoffen zoals PVC en nylon, gips, gasbeton, zachte steensoorten en wandtegels tot kernhardheid 6.

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 45,0 | - | 165 | 528.7045 | 45,71 |
| 51,0 | 2" | 165 | 528.7051 | 53,47 |
| 60,0 | 2-3/8" | 165 | 528.7060 | 62,70 |
| 65,0 | 2-9/16" | 165 | 528.7065 | 74,44 |
| 68,0 | 2-11/16" | 165 | 528.7068 | 75,73 |
| 70,0 | 2-3/4" | 165 | 528.7070 | 77,56 |
| 75,0 | - | 165 | 528.7075 | 84,51 |
| 80,0 | 3-5/32" | 165 | 528.7080 | 90,17 |
| 86,0 | 3-3/8" | 165 | 528.7086 | 92,26 |

| Diam. (mm) | Diam. (inch) | Snijdiepte | Art.nr. | € / st |
|------------|--------------|------------|----------|--------|
| 92,0 | 3-5/8" | 165 | 528.7092 | 95,23 |
| 102,0 | 4" | 165 | 528.7102 | 104,01 |
| 111,0 | 4-3/8" | 165 | 528.7111 | 118,67 |
| 121,0 | 4-3/4" | 165 | 528.7121 | 141,59 |
| 130,0 | 5-1/8" | 165 | 528.7130 | 167,16 |
| 140,0 | 5-1/2" | 165 | 528.7140 | 188,10 |
| 152,0 | 6" | 165 | 528.7152 | 194,60 |
| 160,0 | 6-19/64" | 165 | 528.7160 | 253,76 |
| 210,0 | 7-7/8" | 165 | 528.7210 | 528,54 |

529 Dak-doorvoerbooren (4/6)

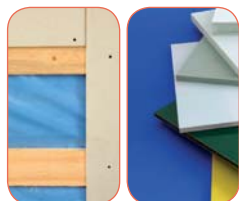


GEPATENTEERD

Uitvoering: Cobalt gelegeerde dakdoorvoerboor met VARIO vertanding 4-6 t.p.i., lengte 300 mm. Wordt compl. geleverd incl. 6-kant adapter en centreerboor (slangenboor). Adapter en centreerboor los naleverbaar. Bestelnr. slangenboor art.nr 240.2001, centreerboor HSS art.nr. 160.1203.

Toepassing: Snel en nauwkeurig boren in de meest voorkomende materialen. Niet geschikt voor boren in abrasief materiaal, steen en beton.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 85 | 300 | 529.0852 | 207,98 |
| 110 | 300 | 529.1102 | 261,41 |
| 121 | 300 | 529.1212 | 281,44 |
| 130 | 300 | 529.1302 | 299,00 |
| 140 | 300 | 529.1402 | 341,54 |
| 152 | 300 | 529.1522 | 374,93 |
| 160 | 300 | 529.1602 | 388,29 |
| 170 | 300 | 529.1702 | 421,68 |
| 200 | 300 | 529.2002 | 475,10 |



GEPATENTEERD

Uitvoering: Cobalt gelegeerde dakdoorvoerboor met VARIO vertanding 4-6 t.p.i., lengte 150 mm. Wordt compleet geleverd incl. 6-kant adapter en centreerboor (slangenboor). Adapter en slangenboor ook los verkrijgbaar. Bestelnr. slangenboor is art.nr. 240.2000.

Toepassing: Voor boren in (hellende) daken. Werkt zeer eenvoudig, nauwkeurig en snel. Niet geschikt voor boren in abrasief materiaal, steen en beton.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 85 | 150 | 529.0851 | 201,31 |
| 110 | 150 | 529.1101 | 254,73 |
| 121 | 150 | 529.1211 | 274,76 |
| 130 | 150 | 529.1301 | 294,80 |
| 140 | 150 | 529.1401 | 328,19 |
| 152 | 150 | 529.1521 | 361,58 |
| 160 | 150 | 529.1601 | 374,93 |
| 170 | 150 | 529.1701 | 401,65 |
| 200 | 150 | 529.2001 | 455,07 |

Dak-doorvoerboren HM, 300mm



Uitvoering: De dakdoorvoerboor HM 300 met hardmetalen speciale vertanding is ontwikkeld om zeer snel en effectief grote diameters gaten te boren in kapconstructies van hout en hout/isolatie materialen. Boort minimaal het dubbele aantal gaten als andere bestaande modellen. Deze boor heeft in minder als de helft van de gebruikelijke tijd het gat gereed.

Toepassing: Voor het boren in (hellende)daken t.b.v. het aansluiten van ontluftung en rookgaspijpen. Niet geschikt voor boren in metalen en abrasieve materialen, zoals steen en beton. Wordt geleverd met M16 aansluiting.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 80 | 300 | 529.6080 | 228,00 |
| 100 | 300 | 529.6100 | 276,00 |
| 110 | 300 | 529.6110 | 297,60 |
| 130 | 300 | 529.6130 | 350,00 |
| 150 | 300 | 529.6150 | 420,00 |
| 160 | 300 | 529.6160 | 460,80 |
| 170 | 300 | 529.6170 | 484,12 |
| 200 | 300 | 529.6200 | 547,20 |

Hout-doorvoerboren (3/4)



GEPATENTEERD

Uitvoering: Cobalt gelegeerde hout doorvoerboor met VARIO vertanding 3-4 t.p.i., lengte 300 mm. Wordt compleet geleverd incl. 6-kant adapter en centreerboor (slangenboor). Adapter en centreerboor los naleverbaar. Bestelnr. slangenboor art.nr. 240.2001, centreerboor HSS gespiraliseerd art.nr.160.1203.

Toepassing: Voor het boren in hout. NB: zodra de boor ca. 1 cm diep in het materiaal is doorgedrongen, dient u de centreerboor te verwijderen om daarna verder te boren.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 85 | 300 | 529.4085 | 207,98 |
| 110 | 300 | 529.4110 | 261,41 |
| 130 | 300 | 529.4130 | 309,67 |
| 152 | 300 | 529.4152 | 374,93 |



GEPATENTEERD

Uitvoering: Cobalt gelegeerde hout doorvoerboor met VARIO vertanding 3-4 t.p.i., lengte 150 mm. Wordt compleet geleverd incl. 6-kant adapter en centreerboor (slangenboor). Adapter en slangenboor ook los verkrijgbaar. Bestelnr. slangenboor is art.nr. 240.2000.

Toepassing: Voor het boren in hout. NB: zodra de boor ca. 1 cm diep in het materiaal is doorgedrongen, dient u de centreerboor te verwijderen om daarna verder te boren.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 85 | 150 | 529.3085 | 201,31 |
| 110 | 150 | 529.3110 | 254,73 |
| 130 | 150 | 529.3130 | 294,80 |
| 152 | 150 | 529.3152 | 361,58 |

Kanaal-doorvoerboren, 100mm (8/12)



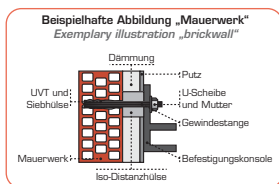
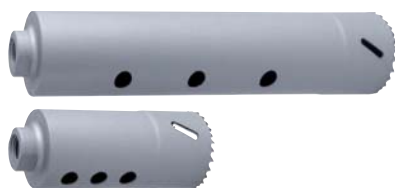
GEPATENTEERD

Uitvoering: Cobalt gelegeerde gatzaag met VARIO vertanding 8-12 t.p.i., lengte 100 mm. Wordt compleet geleverd incl. 6-kant adapter en centreerboor (slangenboor). Adapter en slangenboor ook los verkrijgbaar. Bestelnr. slangenboor is art.nr. 240.2000.

Toepassing: Vanwege de speciale vertanding uitmuntend in het boren van gaten in kunststof leidingen en luchtbehandelings- en ventilatiekanalen.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 85 | 100 | 529.5085 | 201,31 |
| 110 | 100 | 529.5110 | 254,73 |
| 130 | 100 | 529.5130 | 294,80 |
| 143 | 100 | 529.5143 | 338,86 |
| 152 | 100 | 529.5152 | 361,58 |
| 160 | 100 | 529.5160 | 374,93 |
| 178 | 100 | 529.5178 | 415,00 |
| 180 | 100 | 529.5180 | 418,99 |
| 200 | 100 | 529.5200 | 455,07 |
| 217 | 100 | 529.5217 | 481,78 |
| 221 | 100 | 529.5221 | 488,46 |

Isolatie-doorvoerboren (4/6)



Uitvoering: Cobalt gelegeerde gatzaaig met VARIO vertanding 4-6 t.p.i.
Toepassing: Ontwikkeld voor het boren van gaten in isolatie (zie tekening).

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 51 | 100 | 529.7511 | 138,52 |
| 51 | 250 | 529.7512 | 123,86 |

GEPATENTEERD

Rolluik-doorvoerboren, hout (4/6)



Uitvoering: Bi-Cobalt gelegeerde boor met VARIO vertanding 4-6 t.p.i., lengte 90 mm. Wordt compleet geleverd incl. adapter en centreerboor, beide ook los naleverbaar. Bestelnr. centreerboor is 150.0700.
Toepassing: Boren in houten kozijnen. Bijv. voor het aanbrengen van het bandmechaniek voor rolluiken, zonwering etc. Boor is gecoat met PTFE, hetgeen de wrijving vermindert en tevens beschermt tegen roest.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 17,0 | 90 | 529.0170 | 121,80 |
| 25,0 | 90 | 529.0240 | 121,80 |

GEPATENTEERD

Rolluik-doorvoerboren, kunststof (8/12)



Uitvoering: Bi-Cobalt kozijnboor, tandsteek 8-12 t.p.i., lengte 90 mm. Wordt compleet geleverd incl. adapter en centreerboor, beide ook los naleverbaar. Bestelnr. centreerboor is 150.0700.
Toepassing: Boren in kunststof kozijnen. Bijv. voor het aanbrengen van het bandmechaniek voor rolluiken, zonwering etc. Boor is gecoat met PTFE, hetgeen de wrijving vermindert en tevens beschermt tegen roest.

| Diam. (mm) | Snijdiepte | Art.nr. | € / st |
|------------|------------|----------|--------|
| 17,0 | 90 | 529.0517 | 113,15 |
| 19,0 | 90 | 529.0519 | 113,15 |
| 22,0 | 90 | 529.0522 | 113,15 |

GEPATENTEERD

Adapters



| Schacht | Opname | Art.nr. | € / st |
|-------------|----------|----------|--------|
| 6-knt. 12,7 | M16 (M) | 769.0002 | 11,00 |
| 6-knt. 12,7 | 1/2" (F) | 779.0050 | 33,80 |

Verstelbare gatzagen



Uitvoering: Verstelbare gatzaaig wordt compleet geleverd in transportkoffer.
Toepassing: Voor het zagen in hout, kunststof, gips en aluminium. Ideaal voor het aanbrengen van lichtspots.

| Bereik (mm) | Snijdiepte | Art.nr. | € / st |
|-------------|------------|----------|--------|
| 30 - 163 | 23 | 529.8163 | 181,88 |
| 30 - 260 | 23 | 529.8260 | 229,83 |
| 37 - 300 | 23 | 529.8300 | 245,03 |

Uitvoering: Reservemesjes voor verstelbare gatzaaig.

| Omschrijving | Art.nr. | € / st |
|----------------------------------|----------|--------|
| Snijmes HSS voor hout | 529.8990 | 25,20 |
| Snijmes HM voor aluminium | 529.8991 | 25,20 |

530

BiM Gatzagen



Uitvoering: De MASTER-COBALT gatzaaig is ontworpen met 48% meer spaanruimte in de kleinste kamers, waardoor de gatzaaig sneller en gelijkmatig in het materiaal dringt, en het reduceert frictie, en voorkomt warmlopen; de gatzaaig blijft daardoor langer scherp.

Toepassing: Boren in alle soorten staalplaat incl. roest-vrij-staal, gietijzer, aluminium, messing, koper, brons, hout, hout met spijkers, spaanplaat, triplex, multiplex, kunststof en gipsplaat.

| Diam. (mm) | Diam. (inch) | Morse# | Art.nr. | € / st |
|------------|--------------|--------|----------|--------|
| 14,0 | 9/16" | AV09 | 530.0140 | 11,73 |
| 16,0 | 5/8" | AV10 | 530.0160 | 8,81 |
| 16,0 | - | AV105 | 530.0161 | 8,81 |
| 17,0 | 11/16" | AV11 | 530.0170 | 8,81 |
| 19,0 | 3/4" | AV12 | 530.0190 | 8,81 |
| 20,0 | - | AV125 | 530.0200 | 8,81 |
| 21,0 | 13/16" | AV13 | 530.0210 | 8,81 |
| 22,0 | 7/8" | AV14 | 530.0220 | 8,81 |
| 24,0 | 15/16" | AV15 | 530.0240 | 8,81 |
| 25,0 | 1" | AV16 | 530.0250 | 9,26 |
| 25,0 | - | AV155 | 530.0251 | 9,26 |
| 27,0 | 1-1/16" | AV17 | 530.0270 | 9,26 |
| 29,0 | 1-1/8" | AV18 | 530.0290 | 9,26 |
| 30,0 | 1-3/16" | AV19 | 530.0300 | 9,38 |
| 30,0 | - | AV185 | 530.0301 | 9,38 |
| 32,0 | 1-1/4" | AV20 | 530.0320 | 9,38 |
| 32,0 | - | AV205 | 530.0321 | 9,38 |
| 33,0 | 1-5/16" | AV21 | 530.0330 | 9,38 |
| 35,0 | 1-3/8" | AV22 | 530.0350 | 10,01 |
| 35,0 | - | AV225 | 530.0351 | 10,01 |
| 37,0 | 1-7/16" | AV23 | 530.0370 | 10,01 |
| 38,0 | 1-1/2" | AV24 | 530.0380 | 10,01 |
| 40,0 | 1-9/16" | AV25 | 530.0400 | 10,01 |
| 40,0 | - | AV255 | 530.0401 | 10,01 |
| 41,0 | 1-5/8" | AV26 | 530.0410 | 10,01 |
| 43,0 | 1-11/16" | AV27 | 530.0430 | 10,01 |
| 44,0 | 1-3/4" | AV28 | 530.0440 | 12,32 |
| 45,0 | - | AV285 | 530.0450 | 12,32 |
| 46,0 | 1-13/16" | AV29 | 530.0460 | 12,32 |
| 48,0 | 1-7/8" | AV30 | 530.0480 | 12,32 |
| 50,0 | - | AV315 | 530.0500 | 12,32 |
| 51,0 | 2" | AV32 | 530.0510 | 12,32 |
| 52,0 | 2-1/16" | AV33 | 530.0520 | 15,32 |
| 54,0 | 2-1/8" | AV34 | 530.0540 | 15,32 |
| 55,0 | - | AV345 | 530.0550 | 15,32 |

| Diam. (mm) | Diam. (inch) | Morse# | Art.nr. | € / st |
|------------|--------------|--------|----------|--------|
| 57,0 | 2-1/4" | AV36 | 530.0570 | 15,32 |
| 59,0 | 2-5/16" | AV37 | 530.0590 | 15,32 |
| 60,0 | 2-3/8" | AV38 | 530.0600 | 15,32 |
| 64,0 | 2-1/2" | AV40 | 530.0640 | 16,40 |
| 65,0 | 2-9/16" | AV41 | 530.0650 | 16,40 |
| 67,0 | 2-5/8" | AV42 | 530.0670 | 16,40 |
| 68,0 | - | AV425 | 530.0680 | 16,40 |
| 70,0 | 2-3/4" | AV44 | 530.0700 | 16,40 |
| 73,0 | 2-7/8" | AV46 | 530.0730 | 16,40 |
| 75,0 | - | AV475 | 530.0750 | 16,89 |
| 76,0 | 3" | AV48 | 530.0760 | 16,89 |
| 79,0 | 3-1/8" | AV50 | 530.0790 | 16,89 |
| 83,0 | 3-1/4" | AV52 | 530.0830 | 16,89 |
| 86,0 | 3-3/8" | AV54 | 530.0860 | 16,89 |
| 89,0 | 3-1/2" | AV56 | 530.0890 | 16,89 |
| 92,0 | 3-5/8" | AV58 | 530.0920 | 19,93 |
| 95,0 | 3-3/4" | AV60 | 530.0950 | 23,34 |
| 98,0 | 3-7/8" | AV62 | 530.0980 | 24,64 |
| 100,0 | - | AV63 | 530.1000 | 25,70 |
| 102,0 | 4" | AV64 | 530.1020 | 24,41 |
| 105,0 | 4-1/8" | AV66 | 530.1050 | 26,70 |
| 108,0 | 4-1/4" | AV68 | 530.1080 | 34,73 |
| 111,0 | 4-3/8" | AV70 | 530.1110 | 41,40 |
| 114,0 | 4-1/2" | AV72 | 530.1140 | 42,54 |
| 121,0 | 4.3/4" | AV76 | 530.1210 | 53,40 |
| 127,0 | 5" | AV80 | 530.1270 | 59,21 |
| 133,0 | 5-1/4" | AV84 | 530.1330 | 69,04 |
| 140,0 | 5-1/2" | AV88 | 530.1400 | 70,65 |
| 146,0 | 5-3/4" | AV92 | 530.1460 | 76,71 |
| 152,0 | 6" | AV96 | 530.1520 | 82,75 |
| 160,0 | 6-1/3" | - | 527.1600 | 131,36 |
| 168,0 | 6-5/8" | - | 527.1680 | 138,91 |
| 177,0 | 7" | - | 527.1770 | 144,92 |
| 200,0 | 7-14/16" | - | 527.2000 | 156,72 |
| 210,0 | 8-1/4" | - | 527.2100 | 169,02 |



533.0001



533.0002



533.0003



533.0004



533.0005



533.0006



533.0007

Uitvoering: De MASTER-COBALT gatzag is ontworpen met 48% meer spaanruimte in de kleinste kamers, waardoor de gatzag sneller en gelijkmatig in het materiaal dringt, en het reduceert frictie, en voorkomt warmlopen; de gatzag blijft daardoor langer scherp.

Toepassing: Boren in alle soorten staalplaat incl. roest-vrij-staal, gietijzer, aluminium, messing, koper, brons, hout, hout met spijkers, spaanplaat, triplex, multiplex, kunststof en gipsplaat.

| Omschrijving | Type | Inhoud | Art.nr. | € / set |
|---------------------------------------|-------|--|----------|---------|
| 13-dlg. "Onderhouds"-set AV100 | "530" | Gatzagen: 1x 19, 21, 29, 35, 38, 44, 51, 57 en 64 mm. Houders: 1x M24K, M44, M45P en verlengstuk. In kunststof koffer. | 533.0001 | 174,16 |
| 8-dlg. "Elektriciens"-set AV02E | "530" | Gatzagen: 1x 22, 29, 35, 44, 51 en 64 mm. Houders: 1x M44 en M45P. In kunststof koffer. | 533.0002 | 128,11 |
| 9-dlg. "Loodgieters"-set AV04P | "530" | Gatzagen: 1x 19, 22, 29, 38, 44 en 57 mm. Houders: 1x M44 en M45P. In kunststof koffer. | 533.0003 | 123,30 |
| 6-dlg. "Monteurs"-set AV05M | "530" | Gatzagen: 1x 22, 25, 29, 32 en 38 mm. Houders: 1x M34. In kunststof koffer. | 533.0004 | 65,64 |
| 19-dlg. "Industrie"-set AV06L | "530" | Gatzagen: 1x 19, 22, 29, 35, 38, 44, 51, 57, 64, 76, 83, 92, 95, 108 en 114 mm. Houders: 1x M24K, M44, M45P en verlengstuk. In metalen koffer. | 533.0005 | 360,44 |
| 13-dlg. "Elektr. Master"-set AV08E | "530" | Gatzagen: 1x 22, 29, 35, 44, 51, 64, 76, 92, 105 en 114 mm. Houders: 1x M24K, M44 en M45P. In metalen koffer. | 533.0006 | 262,41 |
| 14-dlg. "Industrial Master"-set AV08I | "530" | Gatzagen: 1x 19, 22, 25, 32, 35, 38, 44, 51, 57, 64 en 76 mm. Houders: 1x M34, M45P en verlengstuk. In kunststof koffer. | 533.0007 | 259,21 |

531

HM Gatzagen



Uitvoering: AT-type met hardmetalen tanden (3 t.p.i.). Max. snijdiepte 38 mm.
Toepassing: Voor het zagen in non-ferro metalen, spaanplaat, multiplex, vezelversterkte kunststoffen en Trespä.

| Diam. (mm) | Diam. (inch) | Morse# | Art.nr. | € / st |
|------------|--------------|--------|----------|--------|
| 19,0 | 3/4" | AT12 | 531.0002 | 17,77 |
| 21,0 | 13/16" | AT13 | 531.0004 | 17,44 |
| 22,0 | 7/8" | AT14 | 531.0006 | 17,97 |
| 24,0 | 15/16" | AT15 | 531.0008 | 18,63 |
| 25,0 | 1" | AT16 | 531.0010 | 19,14 |
| 27,0 | 1-1/16" | AT17 | 531.0012 | 19,84 |
| 29,0 | 1-1/18" | AT18 | 531.0014 | 20,24 |
| 30,0 | 1-3/16" | AT19 | 531.0016 | 21,00 |
| 32,0 | 1-1/4" | AT20 | 531.0018 | 21,13 |
| 33,0 | 1-5/16" | AT21 | 531.0020 | 21,23 |
| 35,0 | 1-3/8" | AT22 | 531.0022 | 21,48 |
| 37,0 | 1-7/16" | AT23 | 531.0024 | 21,51 |
| 38,0 | 1-1/2" | AT24 | 531.0026 | 21,98 |
| 40,0 | 1-9/16" | AT25 | 531.0028 | 22,80 |
| 41,0 | 1-5/8" | AT26 | 531.0030 | 23,31 |
| 43,0 | 1-11/16" | AT27 | 531.0032 | 23,88 |
| 44,0 | 1-3/4" | AT28 | 531.0034 | 24,44 |
| 46,0 | 1-13/16" | AT29 | 531.0036 | 24,91 |
| 48,0 | 1-7/8" | AT30 | 531.0038 | 25,45 |
| 51,0 | 2" | AT32 | 531.0040 | 26,19 |
| 52,0 | 2-1/16" | AT33 | 531.0042 | 30,32 |
| 54,0 | 2-1/8" | AT34 | 531.0044 | 30,83 |
| 57,0 | 2-1/4" | AT36 | 531.0046 | 31,88 |
| 59,0 | 2-5/16" | AT37 | 531.0048 | 32,49 |

| Diam. (mm) | Diam. (inch) | Morse# | Art.nr. | € / st |
|------------|--------------|--------|----------|--------|
| 60,0 | 2-3/8" | AT38 | 531.0050 | 32,94 |
| 64,0 | 2-1/2" | AT40 | 531.0052 | 34,45 |
| 65,0 | 2-9/16" | AT41 | 531.0054 | 35,06 |
| 67,0 | 2-5/8" | AT42 | 531.0056 | 35,60 |
| 70,0 | 2-3/4" | AT44 | 531.0058 | 36,65 |
| 73,0 | 2-7/8" | AT46 | 531.0060 | 37,76 |
| 76,0 | 3" | AT48 | 531.0062 | 38,81 |
| 79,0 | 3-1/8" | AT50 | 531.0064 | 46,80 |
| 83,0 | 3-1/4" | AT52 | 531.0066 | 47,97 |
| 86,0 | 3-3/8" | AT54 | 531.0068 | 50,96 |
| 89,0 | 3-1/2" | AT56 | 531.0070 | 51,64 |
| 92,0 | 3-5/8" | AT58 | 531.0072 | 52,74 |
| 95,0 | 3-3/4" | AT60 | 531.0074 | 54,22 |
| 98,0 | 3-7/8" | AT62 | 531.0076 | 55,28 |
| 102,0 | 4" | AT64 | 531.0078 | 57,64 |
| 105,0 | 4-1/8" | AT66 | 531.0080 | 79,97 |
| 108,0 | 4-1/4" | AT68 | 531.0082 | 82,89 |
| 111,0 | 4-3/8" | AT70 | 531.0084 | 83,93 |
| 114,0 | 4-1/2" | AT72 | 531.0086 | 84,37 |
| 121,0 | 4-3/4" | AT76 | 531.0088 | 91,92 |
| 127,0 | 5" | AT80 | 531.0090 | 94,57 |
| 140,0 | 5-1/2" | AT88 | 531.0092 | 99,61 |
| 146,0 | 5-3/4" | AT92 | 531.0094 | 102,08 |
| 152,0 | 6" | AT96 | 531.0096 | 104,38 |

HM Gatzagen, in koffer



Uitvoering: AT-type met hardmetalen tanden (3 t.p.i.). Max. snijdiepte 38 mm.
Toepassing: Voor het zagen in non-ferro metalen, spaanplaat, multiplex, vezelversterkte kunststoffen en Trespä.

| Omschrijving | Type | Inhoud | Art.nr. | € / set |
|--------------------------------|------------|--|----------|---------|
| 13-dlg. "Onderhouds"-set AT100 | "531.0xxx" | Gatzagen: 1x 19, 21, 29, 35, 38, 44, 51, 57 en 64 mm. Houders: 1x M24K, M44, M45P en verlengstuk. In kunststof koffer. | 533.0020 | 256,62 |

Wolfram-Grit Gatzagen



Uitvoering: ATCG-type met wolframgrit bestrooide vertanding. Max. snijdiepte 38 mm.

Toepassing: Voor het zagen van abrasieve materialen zoals steen, keramiek, tegels, eterniet. Ook geschikt voor bijv. spaanplaat en harde kunststoffen.

| Diam. (mm) | Diam. (inch) | Morse# | Art.nr. | € / st |
|------------|--------------|--------|----------|--------|
| 19,0 | 3/4" | ATCG12 | 531.1002 | 13,06 |
| 21,0 | 13/16" | ATCG13 | 531.1004 | 13,06 |
| 22,0 | 7/8" | ATCG14 | 531.1006 | 13,06 |
| 24,0 | 15/16" | ATCG15 | 531.1008 | 13,06 |
| 25,0 | 1" | ATCG16 | 531.1010 | 14,27 |
| 27,0 | 1.-1/16" | ATCG17 | 531.1012 | 14,27 |
| 29,0 | 1-1/8" | ATCG18 | 531.1014 | 14,27 |
| 30,0 | 1-3/16" | ATCG19 | 531.1016 | 14,27 |
| 32,0 | 1-1/4" | ATCG20 | 531.1018 | 14,63 |
| 33,0 | 1-5/16" | ATCG21 | 531.1020 | 14,63 |
| 35,0 | 1-3/8" | ATCG22 | 531.1022 | 14,74 |
| 37,0 | 1-7/16" | ATCG23 | 531.1024 | 14,74 |
| 38,0 | 1-1/2" | ATCG24 | 531.1026 | 14,74 |
| 40,0 | 1-9/16" | ATCG25 | 531.1028 | 14,74 |
| 41,0 | 1-5/8" | ATCG26 | 531.1030 | 14,74 |
| 43,0 | 1-11/16" | ATCG27 | 531.1032 | 14,74 |
| 44,0 | 1-3/4" | ATCG28 | 531.1034 | 18,08 |
| 46,0 | 1-13/16" | ATCG29 | 531.1036 | 18,08 |
| 48,0 | 1-7/8" | ATCG30 | 531.1038 | 18,08 |
| 51,0 | 2" | ATCG32 | 531.1040 | 18,08 |
| 52,0 | 2-1/16" | ATCG33 | 531.1042 | 18,08 |
| 54,0 | 2-1/8" | ATCG34 | 531.1044 | 21,39 |
| 57,0 | 2-1/4" | ATCG36 | 531.1046 | 21,39 |
| 59,0 | 2-5/16" | ATCG37 | 531.1048 | 21,39 |

| Diam. (mm) | Diam. (inch) | Morse# | Art.nr. | € / st |
|------------|--------------|--------|----------|--------|
| 60,0 | 2-3/8" | ATCG38 | 531.1050 | 21,39 |
| 65,0 | 2-9/16" | ATCG41 | 531.1052 | 24,12 |
| 67,0 | 2-5/8" | ATCG42 | 531.1054 | 24,12 |
| 70,0 | 2-3/4" | ATCG44 | 531.1056 | 24,12 |
| 73,0 | 2-7/8" | ATCG46 | 531.1058 | 24,12 |
| 76,0 | 3" | ATCG48 | 531.1060 | 29,21 |
| 79,0 | 3-1/8" | ATCG50 | 531.1062 | 29,21 |
| 83,0 | 3-1/4" | ATCG52 | 531.1064 | 29,21 |
| 86,0 | 3-3/8" | ATCG54 | 531.1066 | 29,21 |
| 89,0 | 3-1/2" | ATCG56 | 531.1068 | 31,02 |
| 92,0 | 3-5/8" | ATCG58 | 531.1070 | 33,38 |
| 95,0 | 3-3/4" | ATCG60 | 531.1072 | 36,17 |
| 98,0 | 3-7/8" | ATCG62 | 531.1074 | 37,43 |
| 102,0 | 4" | ATCG64 | 531.1076 | 38,69 |
| 105,0 | 4-1/8" | ATCG66 | 531.1078 | 41,21 |
| 108,0 | 4-1/4" | ATCG68 | 531.1080 | 43,28 |
| 111,0 | 4-3/8" | ATCG70 | 531.1082 | 45,45 |
| 114,0 | 4-1/2" | ATCG72 | 531.1084 | 47,46 |
| 121,0 | 4-3/4" | ATCG76 | 531.1086 | 50,79 |
| 127,0 | 5" | ATCG80 | 531.1088 | 54,36 |
| 140,0 | 5-1/2" | ATCG88 | 531.1090 | 58,18 |
| 146,0 | 5-3/4" | ATCG92 | 531.1092 | 51,49 |
| 152,0 | 6" | ATCG96 | 531.1094 | 58,18 |

Wolfram-Grit Gatzagen, in koffer



Uitvoering: ATCG-type met wolframgrit bestrooide vertanding. Max. snijdiepte 38 mm.

Toepassing: Voor het zagen van abrasieve materialen zoals steen, keramiek, tegels, eterniet. Ook geschikt voor bijv. spaanplaat en harde kunststoffen.

| Omschrijving | Type | Inhoud | Art.nr. | € / set |
|----------------------------------|------------|--|----------|---------|
| 13-dlg. "Onderhouds"-set ATCG100 | "531.1xxx" | Gatzagen: 1x 19, 22, 29, 35, 38, 44, 51, 57 en 64 mm. Houders: 1x M24K, M44, M45P en verlengstuk. In kunststof koffer. | 533.0015 | 184,24 |

Uitvoering: Alle afgebeelde houders zijn universeel toepasbaar op vrijwel alle andere merken.



| Opname (inch) | Opname (mm) | Morse# | Bereik (mm) | Art.nr. | € / st |
|----------------------------|-------------|--------|-------------|----------|--------|
| 1/4" rond (hol) | 6,3 | M24K | 14 - 30 | 532.0001 | 8,13 |
| DIN 3126-E6.3 (bit-opname) | 6,3 | M24 | 14 - 30 | 532.0002 | 8,13 |
| 3/8" 6-knt. (massief) | 9,5 | M34 | 14 - 30 | 532.0003 | 11,43 |
| 7/16" 6-knt. (hol) | 11,1 | M44K | 14 - 210 | 532.0004 | 21,09 |
| 7/16" 6-knt. (hol) | 11,1 | M44 | 14 - 30 | 532.0005 | 11,43 |
| 7/16" 6-knt. (hol) | 11,1 | M45 | 32 - 60 | 532.0006 | 11,43 |
| 7/16" 6-knt. (hol) | 11,1 | M45P | 32 - 210 | 532.0007 | 21,09 |
| 5/8" 6-knt. (hol) | 15,9 | M55P | 32 - 210 | 532.0008 | 21,09 |
| 3/8" 6-knt. (massief) | 9,5 | M35PS | 32 - 210 | 532.0009 | 21,09 |
| 7/16" 6-knt. (massief) | 11,1 | M46PS | 32 - 210 | 532.0010 | 21,09 |
| SDS-plus | SDS-plus | - | 14 - 30 | 527.3030 | 14,50 |
| SDS-plus | SDS-plus | - | 32 - 210 | 527.3031 | 19,50 |
| 3/8" 6-knt. | 9,5 | M34CT | 14 - 30 | 532.0013 | 13,52 |
| 1/2" 6-knt. | 12,7 | M45PCT | 32 - 210 | 532.0014 | 23,18 |

Toebehoren

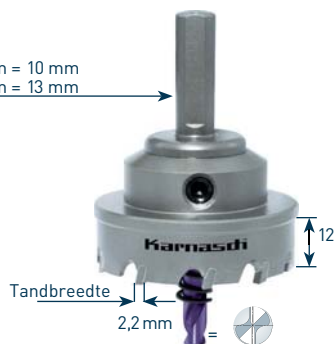
Uitvoering: Alle afgebeelde toebehoren zijn ook inzetbaar op vrijwel alle voorkomende andere merken.



7/16" shank extensions work best with 7/16" shank arbors or Real McCoy® hole saws

| Omschrijving | Morse# | Afmeting | Voor | Art.nr. | € / st |
|-----------------------------|-----------|-----------------------------------|-----------------------------------|----------|--------|
| Centreerboor | MPD4S | 1/4 x 2.7/8" [6,35x73] | M24-M34-M35PS-M46PS | 532.0020 | 4,08 |
| Centreerboor | MPD401 | 1/4 x 4.5/16" [6,35x110] | M24K-M44K-M44-M45-M45P-M55P | 532.0021 | 4,08 |
| Centreerboor met groeven | MPD4N | 1/4 x 4" [6,35x102] | M24K-M44K-M44-M45-M45P-M46PS-M55P | 532.0022 | 4,40 |
| Verlengstuk voor gatzagen | ME381 | 300 mm | Houders met 3/8"-schacht | 532.0024 | 18,05 |
| Verlengstuk voor gatzagen | ME12 | 300 mm | Houders met 7/16"-schacht | 532.0025 | 16,45 |
| Meeneemplaat klein | MHSDP1 | | AV42 [67mm] - AV96 [125mm] | 532.0026 | 41,28 |
| Verloop voor gatzaghouder | M44N | 1/2-20 binnendr.x 5/8"-18 bui.dr. | Vergroten kleine gatzaghouders | 532.0030 | 4,43 |
| Kleine stelschroef | RSS1 | | M24K-M24-M34-M44-M45 | 532.0035 | 0,74 |
| Grote stelschroef | RSS1 | | M44K-M35PS-M45P-M46PS-M55P-ME12 | 532.0036 | 0,74 |
| Uitwerpveer | MES101 | | Alle gatzaghouders | 532.0037 | 1,51 |
| HM-centreerboor 1/4 x 4 | MPD4CT01 | t.b.v. ATCG-gatzagen | M45PCT | 532.0040 | 6,50 |
| HM-centreerboor 1/4 x 3.1/4 | MPD4SCT01 | t.b.v. ATCG-gatzagen | M34CT | 532.0042 | 6,21 |

Ø 14-60 mm = 10 mm
Ø 61-120 mm = 13 mm



20.1010

Uitvoering: De nieuwste generatie gatzaga. Zeer stabiele en stevige constructie. Snijdiepte tot 12 mm mogelijk. Door geringe snijbreedte (2,2 mm) boringen tot 120 mm met handboormachine mogelijk. Alle modellen voorzien van verwisselbare adapter.

Toepassing: Voor het boren in hoogwaardige materialen, zoals staal, non-ferro metalen, lichtmetaal, kunststoffen, gewapende kunststoffen enz. Geschikt voor RVS max. 6 mm uit de hand, en 10 mm stationair, gelegerd en ongelegerd plaatstaal, non-ferro en lichtmetaal, kunststof tot 12 mm.

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 14,0 | 12 | 10 | 534.0140 | 35,55 |
| 14,5 | 12 | 10 | 534.0145 | 35,55 |
| 15,0 | 12 | 10 | 534.0150 | 35,55 |
| 15,2 | 12 | 10 | 534.0152 | 21,54 |
| 16,0 | 12 | 10 | 534.0160 | 35,55 |
| 16,5 | 12 | 10 | 534.0165 | 35,55 |
| 17,0 | 12 | 10 | 534.0170 | 35,55 |
| 18,0 | 12 | 10 | 534.0180 | 35,55 |
| 18,5 | 12 | 10 | 534.0185 | 35,55 |
| 19,0 | 12 | 10 | 534.0190 | 35,55 |
| 20,0 | 12 | 10 | 534.0200 | 35,55 |
| 20,5 | 12 | 10 | 534.0205 | 35,55 |
| 21,0 | 12 | 10 | 534.0210 | 35,55 |
| 22,0 | 12 | 10 | 534.0220 | 35,55 |
| 23,0 | 12 | 10 | 534.0230 | 35,55 |
| 24,0 | 12 | 10 | 534.0240 | 35,55 |
| 25,0 | 12 | 10 | 534.0250 | 35,55 |
| 25,5 | 12 | 10 | 534.0255 | 35,55 |
| 26,0 | 12 | 10 | 534.0260 | 35,55 |
| 27,0 | 12 | 10 | 534.0270 | 35,55 |
| 28,0 | 12 | 10 | 534.0280 | 35,55 |
| 28,3 | 12 | 10 | 534.0283 | 35,55 |
| 29,0 | 12 | 10 | 534.0290 | 35,55 |
| 30,0 | 12 | 10 | 534.0300 | 35,55 |
| 30,5 | 12 | 10 | 534.0305 | 35,79 |
| 31,0 | 12 | 10 | 534.0310 | 35,79 |
| 32,0 | 12 | 10 | 534.0320 | 35,79 |
| 32,5 | 12 | 10 | 534.0325 | 35,79 |
| 33,0 | 12 | 10 | 534.0330 | 35,79 |
| 34,0 | 12 | 10 | 534.0340 | 35,79 |
| 35,0 | 12 | 10 | 534.0350 | 35,79 |
| 36,0 | 12 | 10 | 534.0360 | 42,45 |
| 37,0 | 12 | 10 | 534.0370 | 42,45 |
| 38,0 | 12 | 10 | 534.0380 | 42,45 |
| 38,5 | 12 | 10 | 534.0385 | 42,45 |
| 39,0 | 12 | 10 | 534.0390 | 42,45 |
| 40,0 | 12 | 10 | 534.0400 | 42,45 |
| 40,5 | 12 | 10 | 534.0405 | 43,20 |
| 41,0 | 12 | 10 | 534.0410 | 43,20 |
| 42,0 | 12 | 10 | 534.0420 | 43,20 |
| 43,0 | 12 | 10 | 534.0430 | 43,35 |

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 44,0 | 12 | 10 | 534.0440 | 43,35 |
| 45,0 | 12 | 10 | 534.0450 | 43,35 |
| 46,0 | 12 | 10 | 534.0460 | 47,94 |
| 47,0 | 12 | 10 | 534.0470 | 47,94 |
| 48,0 | 12 | 10 | 534.0480 | 47,94 |
| 49,0 | 12 | 10 | 534.0490 | 47,94 |
| 50,0 | 12 | 10 | 534.0500 | 47,94 |
| 50,5 | 12 | 10 | 534.0505 | 50,16 |
| 51,0 | 12 | 10 | 534.0510 | 50,25 |
| 52,0 | 12 | 10 | 534.0520 | 50,25 |
| 53,0 | 12 | 10 | 534.0530 | 50,70 |
| 54,0 | 12 | 10 | 534.0540 | 50,70 |
| 55,0 | 12 | 10 | 534.0550 | 50,70 |
| 56,0 | 12 | 10 | 534.0560 | 57,00 |
| 57,0 | 12 | 10 | 534.0570 | 57,00 |
| 58,0 | 12 | 10 | 534.0580 | 57,00 |
| 59,0 | 12 | 10 | 534.0590 | 57,60 |
| 60,0 | 12 | 10 | 534.0600 | 57,60 |
| 60,5 | 12 | 10 | 534.0605 | 62,19 |
| 61,0 | 12 | 13 | 534.0610 | 63,00 |
| 62,0 | 12 | 13 | 534.0620 | 63,00 |
| 63,0 | 12 | 13 | 534.0630 | 63,00 |
| 64,0 | 12 | 13 | 534.0640 | 63,00 |
| 65,0 | 12 | 13 | 534.0650 | 63,00 |
| 66,0 | 12 | 13 | 534.0660 | 73,20 |
| 67,0 | 12 | 13 | 534.0670 | 73,20 |
| 68,0 | 12 | 13 | 534.0680 | 73,20 |
| 69,0 | 12 | 13 | 534.0690 | 73,20 |
| 70,0 | 12 | 13 | 534.0700 | 73,20 |
| 75,0 | 12 | 13 | 534.0750 | 79,59 |
| 76,0 | 12 | 13 | 534.0760 | 86,40 |
| 78,0 | 12 | 13 | 534.0780 | 86,40 |
| 80,0 | 12 | 13 | 534.0800 | 86,40 |
| 85,0 | 12 | 13 | 534.0850 | 96,00 |
| 90,0 | 12 | 13 | 534.0900 | 96,00 |
| 95,0 | 12 | 13 | 534.0950 | 105,09 |
| 100,0 | 12 | 13 | 534.1000 | 108,45 |
| 105,0 | 12 | 13 | 534.1050 | 132,09 |
| 110,0 | 12 | 13 | 534.1100 | 135,69 |
| 115,0 | 12 | 13 | 534.1150 | 135,99 |
| 120,0 | 12 | 13 | 534.1200 | 144,60 |



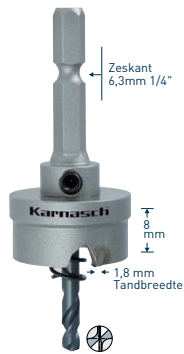
20.1020

Uitvoering: HM-dunwandige gatzaga, snijbreedte 1,8 mm. Daardoor geschikt voor gebruik in de handboormachine tot diameter 150 mm! Alle modellen voorzien van een vaste adapter en verwisselbare centreerboor. Om maximale snijdiepte te benutten (12 mm) de uitwerpveer verwijderen. Bij grotere materiaaldiktes na 2-3 mm boren de spanen tussentijds verwijderen.

Toepassing: Voor het boren in hoogwaardige materialen zoals staal, non ferro metalen, kunststoffen, gewapende kunststoffen. Staal en RVS max. 5 mm dik alle overige materialen max. 12 mm dik.

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 14,0 | 12 | 10 | 534.4140 | 21,45 |
| 15,0 | 12 | 10 | 534.4150 | 21,45 |
| 16,0 | 12 | 10 | 534.4160 | 21,45 |
| 17,0 | 12 | 10 | 534.4170 | 21,45 |
| 18,0 | 12 | 10 | 534.4180 | 21,45 |
| 19,0 | 12 | 10 | 534.4190 | 21,45 |
| 20,0 | 12 | 10 | 534.4200 | 21,45 |
| 21,0 | 12 | 10 | 534.4210 | 24,30 |
| 22,0 | 12 | 10 | 534.4220 | 24,30 |
| 23,0 | 12 | 10 | 534.4230 | 24,30 |
| 24,0 | 12 | 10 | 534.4240 | 24,30 |
| 25,0 | 12 | 10 | 534.4250 | 24,30 |
| 26,0 | 12 | 10 | 534.4260 | 25,65 |
| 27,0 | 12 | 10 | 534.4270 | 25,65 |
| 28,0 | 12 | 10 | 534.4280 | 25,65 |
| 29,0 | 12 | 10 | 534.4290 | 25,65 |
| 30,0 | 12 | 10 | 534.4300 | 25,65 |
| 31,0 | 12 | 10 | 534.4310 | 29,04 |
| 32,0 | 12 | 10 | 534.4320 | 29,04 |
| 33,0 | 12 | 10 | 534.4330 | 29,04 |
| 34,0 | 12 | 10 | 534.4340 | 29,04 |
| 35,0 | 12 | 10 | 534.4350 | 29,04 |
| 36,0 | 12 | 10 | 534.4360 | 31,35 |
| 37,0 | 12 | 10 | 534.4370 | 31,35 |
| 38,0 | 12 | 10 | 534.4380 | 31,35 |
| 39,0 | 12 | 10 | 534.4390 | 31,35 |
| 40,0 | 12 | 10 | 534.4400 | 31,35 |
| 41,0 | 12 | 10 | 534.4410 | 34,50 |
| 42,0 | 12 | 10 | 534.4420 | 34,50 |
| 43,0 | 12 | 10 | 534.4430 | 34,50 |
| 44,0 | 12 | 10 | 534.4440 | 34,50 |
| 45,0 | 12 | 10 | 534.4450 | 34,50 |
| 46,0 | 12 | 10 | 534.4460 | 36,75 |
| 47,0 | 12 | 10 | 534.4470 | 36,75 |
| 48,0 | 12 | 10 | 534.4480 | 36,75 |
| 49,0 | 12 | 10 | 534.4490 | 36,75 |
| 50,0 | 12 | 10 | 534.4500 | 36,75 |
| 51,0 | 12 | 10 | 534.4510 | 41,64 |
| 52,0 | 12 | 10 | 534.4520 | 41,64 |
| 53,0 | 12 | 10 | 534.4530 | 41,64 |

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 54,0 | 12 | 10 | 534.4540 | 41,64 |
| 55,0 | 12 | 10 | 534.4550 | 41,64 |
| 56,0 | 12 | 10 | 534.4560 | 46,14 |
| 57,0 | 12 | 10 | 534.4570 | 46,14 |
| 58,0 | 12 | 10 | 534.4580 | 46,14 |
| 59,0 | 12 | 10 | 534.4590 | 46,14 |
| 60,0 | 12 | 10 | 534.4600 | 46,14 |
| 61,0 | 12 | 10 | 534.4610 | 49,50 |
| 62,0 | 12 | 10 | 534.4620 | 49,50 |
| 63,0 | 12 | 10 | 534.4630 | 49,50 |
| 64,0 | 12 | 10 | 534.4640 | 49,50 |
| 65,0 | 12 | 10 | 534.4650 | 49,50 |
| 66,0 | 12 | 10 | 534.4660 | 52,74 |
| 67,0 | 12 | 10 | 534.4670 | 52,74 |
| 68,0 | 12 | 10 | 534.4680 | 52,74 |
| 69,0 | 12 | 10 | 534.4690 | 52,74 |
| 70,0 | 12 | 13 | 534.4700 | 52,74 |
| 71,0 | 12 | 13 | 534.4710 | 58,59 |
| 72,0 | 12 | 13 | 534.4720 | 58,59 |
| 73,0 | 12 | 13 | 534.4730 | 58,59 |
| 74,0 | 12 | 13 | 534.4740 | 58,59 |
| 75,0 | 12 | 13 | 534.4750 | 58,59 |
| 76,0 | 12 | 13 | 534.4760 | 61,74 |
| 77,0 | 12 | 13 | 534.4770 | 61,74 |
| 78,0 | 12 | 13 | 534.4780 | 61,74 |
| 79,0 | 12 | 13 | 534.4790 | 61,74 |
| 80,0 | 12 | 13 | 534.4800 | 61,74 |
| 85,0 | 12 | 13 | 534.4850 | 66,45 |
| 90,0 | 12 | 13 | 534.4900 | 68,49 |
| 95,0 | 12 | 13 | 534.4950 | 74,55 |
| 100,0 | 12 | 13 | 534.5000 | 78,54 |
| 105,0 | 12 | 13 | 534.5050 | 84,15 |
| 110,0 | 12 | 13 | 534.5100 | 88,89 |
| 115,0 | 12 | 13 | 534.5150 | 91,44 |
| 120,0 | 12 | 13 | 534.5200 | 93,30 |
| 125,0 | 12 | 13 | 534.5250 | 115,89 |
| 130,0 | 12 | 13 | 534.5300 | 128,34 |
| 135,0 | 12 | 13 | 534.5350 | 141,75 |
| 140,0 | 12 | 13 | 534.5400 | 159,15 |
| 145,0 | 12 | 13 | 534.5450 | 176,49 |
| 150,0 | 12 | 13 | 534.5500 | 198,99 |



20.1025

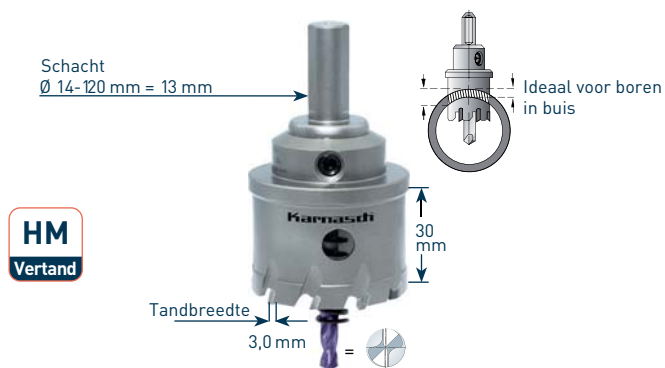
Uitvoering: HM-dunwandige gatzagaag snijbreedte 1,8 mm. Daardoor bij uitstek geschikt voor gebruik in de accu-boormachine tot diameter 38 mm! Alle modellen voorzien van een vaste 1/4" zeskant adapter en verwisselbare centreerboor. Om maximale snijdiepte te benutten (12 mm) de uitwerpvpeer verwijderen. Bij grotere materiaaldiktes na 2-3 mm boren de spanen tussentijds verwijderen.

Toepassing: Voor het boren in hoogwaardige materialen zoals staal, non ferro metalen, kunststoffen, gewapende kunststoffen. Staal en RVS max. 3 mm dik alle overige materialen max. 12 mm dik.

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 14,0 | 8 | E6.3 | 534.6140 | 21,90 |
| 15,0 | 8 | E6.3 | 534.6150 | 21,90 |
| 16,0 | 8 | E6.3 | 534.6160 | 21,90 |
| 17,0 | 8 | E6.3 | 534.6170 | 21,90 |
| 18,0 | 8 | E6.3 | 534.6180 | 21,90 |
| 19,0 | 8 | E6.3 | 534.6190 | 21,90 |
| 20,0 | 8 | E6.3 | 534.6200 | 21,90 |
| 21,0 | 8 | E6.3 | 534.6210 | 24,84 |
| 22,0 | 8 | E6.3 | 534.6220 | 24,84 |
| 23,0 | 8 | E6.3 | 534.6230 | 24,84 |
| 24,0 | 8 | E6.3 | 534.6240 | 24,84 |
| 25,0 | 8 | E6.3 | 534.6250 | 24,84 |
| 26,0 | 8 | E6.3 | 534.6260 | 26,10 |

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 27,0 | 8 | E6.3 | 534.6270 | 26,10 |
| 28,0 | 8 | E6.3 | 534.6280 | 26,10 |
| 29,0 | 8 | E6.3 | 534.6290 | 26,10 |
| 30,0 | 8 | E6.3 | 534.6300 | 26,10 |
| 31,0 | 8 | E6.3 | 534.6310 | 29,64 |
| 32,0 | 8 | E6.3 | 534.6320 | 29,64 |
| 33,0 | 8 | E6.3 | 534.6330 | 29,64 |
| 34,0 | 8 | E6.3 | 534.6340 | 29,64 |
| 35,0 | 8 | E6.3 | 534.6350 | 29,64 |
| 36,0 | 8 | E6.3 | 534.6360 | 31,95 |
| 37,0 | 8 | E6.3 | 534.6370 | 31,95 |
| 38,0 | 8 | E6.3 | 534.6380 | 31,95 |

HM Gatzagen Power-Max30 Easy-Cut



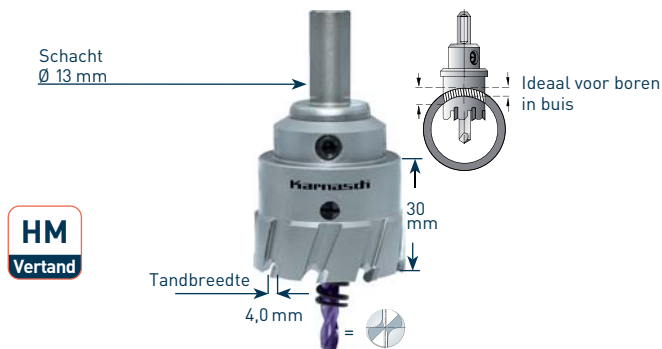
20.1015

Uitvoering: De nieuwste generatie gatzaga. Zeer stabiele en stevige constructie. Snijdiepte tot 30 mm mogelijk. Door gering snijbreedte (3,0 mm) boringen tot 100 mm met handboormachine mogelijk. Alle modellen voorzien van verwisselbare adapter.

Toepassing: Voor het boren in hoogwaardige materialen, zoals staal, non-ferro metalen, lichtmetaal, kunststoffen, gewapende kunststoffen enz. Geschikt voor RVS max. 2 mm, gelegeerd en ongelegeerd plaatstaal max. 4 mm, non-ferro en lichtmetaal, kunststof tot 6 mm.

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 14,0 | 30 | 13 | 534.2140 | 50,70 |
| 15,0 | 30 | 13 | 534.2150 | 50,70 |
| 16,0 | 30 | 13 | 534.2160 | 50,70 |
| 17,0 | 30 | 13 | 534.2170 | 50,70 |
| 18,0 | 30 | 13 | 534.2180 | 50,70 |
| 19,0 | 30 | 13 | 534.2190 | 50,70 |
| 20,0 | 30 | 13 | 534.2200 | 50,70 |
| 21,0 | 30 | 13 | 534.2210 | 50,70 |
| 22,0 | 30 | 13 | 534.2220 | 50,70 |
| 23,0 | 30 | 13 | 534.2230 | 50,70 |
| 24,0 | 30 | 13 | 534.2240 | 50,70 |
| 25,0 | 30 | 13 | 534.2250 | 50,70 |
| 26,0 | 30 | 13 | 534.2260 | 50,70 |
| 27,0 | 30 | 13 | 534.2270 | 50,70 |
| 28,0 | 30 | 13 | 534.2280 | 50,70 |
| 29,0 | 30 | 13 | 534.2290 | 50,70 |
| 30,0 | 30 | 13 | 534.2300 | 50,70 |
| 31,0 | 30 | 13 | 534.2310 | 50,85 |
| 32,0 | 30 | 13 | 534.2320 | 50,85 |
| 33,0 | 30 | 13 | 534.2330 | 50,85 |
| 34,0 | 30 | 13 | 534.2340 | 50,85 |
| 35,0 | 30 | 13 | 534.2350 | 50,85 |
| 36,0 | 30 | 13 | 534.2360 | 50,85 |
| 37,0 | 30 | 13 | 534.2370 | 50,85 |
| 38,0 | 30 | 13 | 534.2380 | 50,85 |
| 39,0 | 30 | 13 | 534.2390 | 50,85 |
| 40,0 | 30 | 13 | 534.2400 | 50,85 |
| 41,0 | 30 | 13 | 534.2410 | 55,74 |
| 42,0 | 30 | 13 | 534.2420 | 55,74 |
| 43,0 | 30 | 13 | 534.2430 | 55,80 |
| 44,0 | 30 | 13 | 534.2440 | 55,80 |
| 45,0 | 30 | 13 | 534.2450 | 55,80 |
| 46,0 | 30 | 13 | 534.2460 | 56,79 |
| 47,0 | 30 | 13 | 534.2470 | 56,79 |
| 48,0 | 30 | 13 | 534.2480 | 56,79 |

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 49,0 | 30 | 13 | 534.2490 | 56,79 |
| 50,0 | 30 | 13 | 534.2500 | 56,79 |
| 51,0 | 30 | 13 | 534.2510 | 56,79 |
| 52,0 | 30 | 13 | 534.2520 | 56,79 |
| 53,0 | 30 | 13 | 534.2530 | 57,39 |
| 54,0 | 30 | 13 | 534.2540 | 57,39 |
| 55,0 | 30 | 13 | 534.2550 | 57,39 |
| 56,0 | 30 | 13 | 534.2560 | 68,55 |
| 57,0 | 30 | 13 | 534.2570 | 68,55 |
| 58,0 | 30 | 13 | 534.2580 | 68,55 |
| 59,0 | 30 | 13 | 534.2590 | 68,55 |
| 60,0 | 30 | 13 | 534.2600 | 68,55 |
| 61,0 | 30 | 13 | 534.2610 | 75,69 |
| 62,0 | 30 | 13 | 534.2620 | 75,69 |
| 63,0 | 30 | 13 | 534.2630 | 75,69 |
| 64,0 | 30 | 13 | 534.2640 | 75,69 |
| 65,0 | 30 | 13 | 534.2650 | 75,69 |
| 66,0 | 30 | 13 | 534.2660 | 86,34 |
| 67,0 | 30 | 13 | 534.2670 | 86,34 |
| 68,0 | 30 | 13 | 534.2680 | 86,34 |
| 69,0 | 30 | 13 | 534.2690 | 86,34 |
| 70,0 | 30 | 13 | 534.2700 | 86,34 |
| 75,0 | 30 | 13 | 534.2750 | 92,34 |
| 76,0 | 30 | 13 | 534.2760 | 100,74 |
| 78,0 | 30 | 13 | 534.2780 | 100,74 |
| 80,0 | 30 | 13 | 534.2800 | 100,74 |
| 85,0 | 30 | 13 | 534.2850 | 112,59 |
| 90,0 | 30 | 13 | 534.2900 | 115,35 |
| 95,0 | 30 | 13 | 534.2950 | 121,80 |
| 100,0 | 30 | 13 | 534.3000 | 123,45 |
| 105,0 | 30 | 13 | 534.3050 | 131,19 |
| 110,0 | 30 | 13 | 534.3100 | 155,40 |
| 115,0 | 30 | 13 | 534.3150 | 183,24 |
| 120,0 | 30 | 13 | 534.3200 | 208,50 |



20.1130

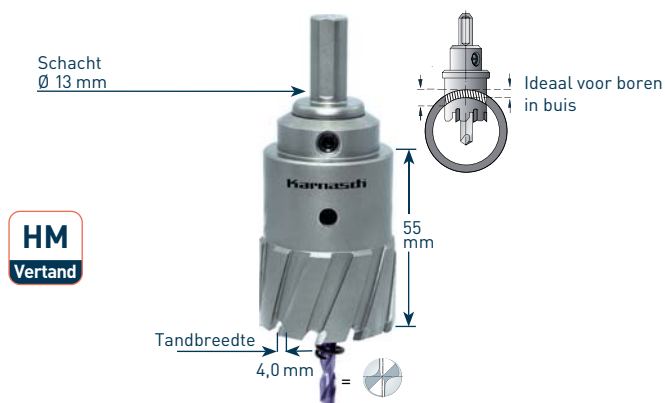
Uitvoering: De nieuwste generatie gatzagaag. Met extreem sterk boorlichaam. Snijdiepte tot 30 mm mogelijk. Snijbreedte (4,0 mm) boringen tot 40 mm met handboormachine. Diameters >40 mm met kernboormachine of kolomboormachine.

Toepassing: Geschikt voor RVS, gelegeerd en ongelegeerd staal (tot max 20 mm), non-ferro en lichtmetaal, kunststoffen en gewapende kunststoffen (tot max. 28 mm). Voor het boren in plat materiaal en buizen, gewelfde vlakken, overlappingsboringen mogelijk.

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 14,0 | 30 | 13 | 535.0140 | 50,70 |
| 15,0 | 30 | 13 | 535.0150 | 50,70 |
| 16,0 | 30 | 13 | 535.0160 | 50,70 |
| 16,5 | 30 | 13 | 535.0165 | 50,70 |
| 17,0 | 30 | 13 | 535.0170 | 50,70 |
| 18,0 | 30 | 13 | 535.0180 | 50,70 |
| 19,0 | 30 | 13 | 535.0190 | 50,70 |
| 20,0 | 30 | 13 | 535.0200 | 50,70 |
| 20,5 | 30 | 13 | 535.0205 | 50,70 |
| 21,0 | 30 | 13 | 535.0210 | 50,70 |
| 22,0 | 30 | 13 | 535.0220 | 50,70 |
| 23,0 | 30 | 13 | 535.0230 | 50,70 |
| 24,0 | 30 | 13 | 535.0240 | 50,70 |
| 25,0 | 30 | 13 | 535.0250 | 50,70 |
| 25,5 | 30 | 13 | 535.0255 | 50,70 |
| 26,0 | 30 | 13 | 535.0260 | 50,70 |
| 27,0 | 30 | 13 | 535.0270 | 50,70 |
| 28,0 | 30 | 13 | 535.0280 | 50,70 |
| 29,0 | 30 | 13 | 535.0290 | 50,70 |
| 30,0 | 30 | 13 | 535.0300 | 50,70 |
| 31,0 | 30 | 13 | 535.0310 | 50,85 |
| 32,0 | 30 | 13 | 535.0320 | 50,85 |
| 32,5 | 30 | 13 | 535.0325 | 50,85 |
| 33,0 | 30 | 13 | 535.0330 | 50,85 |
| 34,0 | 30 | 13 | 535.0340 | 50,85 |
| 35,0 | 30 | 13 | 535.0350 | 50,85 |
| 36,0 | 30 | 13 | 535.0360 | 50,85 |
| 37,0 | 30 | 13 | 535.0370 | 50,85 |
| 38,0 | 30 | 13 | 535.0380 | 50,85 |
| 39,0 | 30 | 13 | 535.0390 | 50,85 |
| 40,0 | 30 | 13 | 535.0400 | 50,85 |
| 40,5 | 30 | 13 | 535.0405 | 55,65 |
| 41,0 | 30 | 13 | 535.0410 | 55,65 |
| 42,0 | 30 | 13 | 535.0420 | 55,65 |
| 43,0 | 30 | 13 | 535.0430 | 55,65 |
| 44,0 | 30 | 13 | 535.0440 | 55,80 |
| 45,0 | 30 | 13 | 535.0450 | 55,80 |
| 46,0 | 30 | 13 | 535.0460 | 56,70 |
| 47,0 | 30 | 13 | 535.0470 | 56,70 |
| 48,0 | 30 | 13 | 535.0480 | 56,70 |
| 49,0 | 30 | 13 | 535.0490 | 56,70 |
| 50,0 | 30 | 13 | 535.0500 | 56,70 |
| 50,5 | 30 | 13 | 535.0505 | 56,70 |
| 51,0 | 30 | 13 | 535.0510 | 56,70 |
| 52,0 | 30 | 13 | 535.0520 | 56,70 |
| 53,0 | 30 | 13 | 535.0530 | 57,39 |

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 54,0 | 30 | 13 | 535.0540 | 57,39 |
| 55,0 | 30 | 13 | 535.0550 | 57,39 |
| 56,0 | 30 | 13 | 535.0560 | 68,55 |
| 57,0 | 30 | 13 | 535.0570 | 68,55 |
| 58,0 | 30 | 13 | 535.0580 | 68,55 |
| 59,0 | 30 | 13 | 535.0590 | 68,55 |
| 60,0 | 30 | 13 | 535.0600 | 68,55 |
| 60,5 | 30 | 13 | 535.0605 | 74,85 |
| 61,0 | 30 | 13 | 535.0610 | 75,69 |
| 62,0 | 30 | 13 | 535.0620 | 75,69 |
| 63,0 | 30 | 13 | 535.0630 | 75,69 |
| 64,0 | 30 | 13 | 535.0640 | 75,69 |
| 65,0 | 30 | 13 | 535.0650 | 75,69 |
| 66,0 | 30 | 13 | 535.0660 | 86,34 |
| 67,0 | 30 | 13 | 535.0670 | 86,34 |
| 68,0 | 30 | 13 | 535.0680 | 86,34 |
| 69,0 | 30 | 13 | 535.0690 | 86,34 |
| 70,0 | 30 | 13 | 535.0700 | 86,34 |
| 71,0 | 30 | 13 | 535.0710 | 92,34 |
| 72,0 | 30 | 13 | 535.0720 | 92,34 |
| 73,0 | 30 | 13 | 535.0730 | 92,34 |
| 74,0 | 30 | 13 | 535.0740 | 92,34 |
| 75,0 | 30 | 13 | 535.0750 | 92,34 |
| 76,0 | 30 | 13 | 535.0760 | 100,74 |
| 77,0 | 30 | 13 | 535.0770 | 100,74 |
| 78,0 | 30 | 13 | 535.0780 | 100,74 |
| 79,0 | 30 | 13 | 535.0790 | 100,74 |
| 80,0 | 30 | 13 | 535.0800 | 100,74 |
| 81,0 | 30 | 13 | 535.0810 | 112,59 |
| 82,0 | 30 | 13 | 535.0820 | 112,59 |
| 83,0 | 30 | 13 | 535.0830 | 112,59 |
| 84,0 | 30 | 13 | 535.0840 | 112,59 |
| 85,0 | 30 | 13 | 535.0850 | 112,59 |
| 86,0 | 30 | 13 | 535.0860 | 115,35 |
| 87,0 | 30 | 13 | 535.0870 | 115,35 |
| 88,0 | 30 | 13 | 535.0880 | 115,35 |
| 89,0 | 30 | 13 | 535.0890 | 115,35 |
| 90,0 | 30 | 13 | 535.0900 | 115,35 |
| 92,0 | 30 | 13 | 535.0920 | 121,80 |
| 95,0 | 30 | 13 | 535.0950 | 121,80 |
| 100,0 | 30 | 13 | 535.1000 | 123,45 |
| 105,0 | 30 | 13 | 535.1050 | 138,75 |
| 110,0 | 30 | 13 | 535.1100 | 162,99 |
| 115,0 | 30 | 13 | 535.1150 | 190,89 |
| 120,0 | 30 | 13 | 535.1200 | 216,09 |

HM Gatzagen Power-Max55 Heavy-Duty



20.1141

Uitvoering: De nieuwste generatie gatzagaag. Met extreem sterk boort lichaam. Snijdiepte tot 55 mm mogelijk. Snijbreedte (4,0 mm) boren tot 40mm met handboormachine. Diameters >40 mm met kernboormachine of kolomboormachine.

Toepassing: Geschikt voor RVS, gelegeerd en ongelegeerd staal (tot max 20 mm), non-ferro en lichtmetaal, kunststoffen en gewapende kunststoffen (tot max. 28 mm). Voor het boren in plat materiaal en buizen, gewelfde vlakken, overlappingsboringen mogelijk.

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 14,0 | 55 | 13 | 535.2140 | 61,35 |
| 15,0 | 55 | 13 | 535.2150 | 61,35 |
| 16,0 | 55 | 13 | 535.2160 | 61,35 |
| 17,0 | 55 | 13 | 535.2170 | 61,35 |
| 18,0 | 55 | 13 | 535.2180 | 61,35 |
| 19,0 | 55 | 13 | 535.2190 | 61,35 |
| 20,0 | 55 | 13 | 535.2200 | 61,35 |
| 21,0 | 55 | 13 | 535.2210 | 61,35 |
| 22,0 | 55 | 13 | 535.2220 | 61,35 |
| 23,0 | 55 | 13 | 535.2230 | 61,35 |
| 24,0 | 55 | 13 | 535.2240 | 61,35 |
| 25,0 | 55 | 13 | 535.2250 | 61,35 |
| 26,0 | 55 | 13 | 535.2260 | 61,35 |
| 27,0 | 55 | 13 | 535.2270 | 61,35 |
| 28,0 | 55 | 13 | 535.2280 | 61,35 |
| 29,0 | 55 | 13 | 535.2290 | 61,35 |
| 30,0 | 55 | 13 | 535.2300 | 61,35 |
| 31,0 | 55 | 13 | 535.2310 | 61,59 |
| 32,0 | 55 | 13 | 535.2320 | 61,59 |
| 33,0 | 55 | 13 | 535.2330 | 61,59 |
| 34,0 | 55 | 13 | 535.2340 | 61,59 |
| 35,0 | 55 | 13 | 535.2350 | 61,59 |
| 36,0 | 55 | 13 | 535.2360 | 61,59 |
| 37,0 | 55 | 13 | 535.2370 | 61,59 |
| 38,0 | 55 | 13 | 535.2380 | 61,59 |
| 39,0 | 55 | 13 | 535.2390 | 61,59 |
| 40,0 | 55 | 13 | 535.2400 | 61,59 |
| 41,0 | 55 | 13 | 535.2410 | 67,35 |
| 42,0 | 55 | 13 | 535.2420 | 67,35 |
| 43,0 | 55 | 13 | 535.2430 | 67,44 |
| 44,0 | 55 | 13 | 535.2440 | 67,44 |
| 45,0 | 55 | 13 | 535.2450 | 67,44 |
| 46,0 | 55 | 13 | 535.2460 | 68,70 |
| 47,0 | 55 | 13 | 535.2470 | 68,70 |
| 48,0 | 55 | 13 | 535.2480 | 68,70 |
| 49,0 | 55 | 13 | 535.2490 | 68,70 |
| 50,0 | 55 | 13 | 535.2500 | 68,70 |
| 51,0 | 55 | 13 | 535.2510 | 68,70 |

| Diameter (mm) | Snijdiepte (mm) | Opname (mm) | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 52,0 | 55 | 13 | 535.2520 | 68,70 |
| 53,0 | 55 | 13 | 535.2530 | 69,39 |
| 54,0 | 55 | 13 | 535.2540 | 69,39 |
| 55,0 | 55 | 13 | 535.2550 | 69,39 |
| 56,0 | 55 | 13 | 535.2560 | 82,80 |
| 57,0 | 55 | 13 | 535.2570 | 82,80 |
| 58,0 | 55 | 13 | 535.2580 | 82,80 |
| 59,0 | 55 | 13 | 535.2590 | 82,80 |
| 60,0 | 55 | 13 | 535.2600 | 82,80 |
| 61,0 | 55 | 13 | 535.2610 | 93,39 |
| 62,0 | 55 | 13 | 535.2620 | 93,39 |
| 63,0 | 55 | 13 | 535.2630 | 93,39 |
| 64,0 | 55 | 13 | 535.2640 | 93,39 |
| 65,0 | 55 | 13 | 535.2650 | 93,39 |
| 66,0 | 55 | 13 | 535.2660 | 106,14 |
| 67,0 | 55 | 13 | 535.2670 | 106,14 |
| 68,0 | 55 | 13 | 535.2680 | 106,14 |
| 69,0 | 55 | 13 | 535.2690 | 106,14 |
| 70,0 | 55 | 13 | 535.2700 | 106,14 |
| 75,0 | 55 | 13 | 535.2750 | 113,25 |
| 76,0 | 55 | 13 | 535.2760 | 123,45 |
| 78,0 | 55 | 13 | 535.2780 | 123,45 |
| 80,0 | 55 | 13 | 535.2800 | 123,45 |
| 85,0 | 55 | 13 | 535.2850 | 137,64 |
| 90,0 | 55 | 13 | 535.2900 | 140,94 |
| 95,0 | 55 | 13 | 535.2950 | 148,65 |
| 100,0 | 55 | 13 | 535.3000 | 150,69 |
| 105,0 | 55 | 13 | 535.3050 | 167,55 |
| 110,0 | 55 | 13 | 535.3100 | 196,59 |
| 115,0 | 55 | 13 | 535.3150 | 230,04 |
| 120,0 | 55 | 13 | 535.3200 | 260,25 |
| 125,0 | 55 | 13 | 535.3250 | 284,40 |
| 130,0 | 55 | 13 | 535.3300 | 312,00 |
| 135,0 | 55 | 13 | 535.3350 | 342,69 |
| 140,0 | 55 | 13 | 535.3400 | 373,89 |
| 145,0 | 55 | 13 | 535.3450 | 408,00 |
| 150,0 | 55 | 13 | 535.3500 | 442,29 |

Houders
Karnasch
GERMANY


| Omschrijving | Opname | Bereik | Art.nr. | € / st |
|--------------------|----------|-----------|----------|--------------|
| Houder cil. | ø10mm | ø14 - 60 | 535.9000 | 8,85 |
| Houder cil. | ø13mm | ø61 - 120 | 535.9001 | 8,85 |
| Houder MK | MK 2 | ø14 - 120 | 535.9003 | 26,94 |
| Houder MK | MK 3 | ø14 - 120 | 535.9004 | 31,80 |
| Houder SDS | SDS-plus | ø16 - 100 | 535.9005 | 14,94 |


Toepassing: Voor groep 534.

| Omschrijving | Afmetingen | Bereik | Art.nr. | € / st |
|------------------------------|------------|-----------|----------|-------------|
| Centreerboor voor 534 | ø6 x 60 | ø15 - 60 | 535.9006 | 5,19 |
| Centreerboor | ø8 x 60 | ø61 - 120 | 535.9007 | 6,09 |
| Centreerboor | ø6 x 80 | ø15 - 60 | 535.9008 | 5,70 |
| Centreerboor | ø8 x 80 | ø61 - 120 | 535.9009 | 6,54 |

HM Gatzagen toebehoren
Karnasch
GERMANY


| Omschrijving | Opname | Voor | Art.nr. | € |
|--------------------|---------|------------|----------|-------------|
| Houder cil. | ø 10 mm | 14,0-60,0 | 535.9000 | 8,85 |
| Houder cil. | ø 13 mm | 61,0-120,0 | 535.9001 | 8,85 |



| Omschrijving | Opname | Voor | Art.nr. | € |
|------------------|--------|------------|----------|--------------|
| Houder MK | MK2 | 14,0-120,0 | 535.9003 | 26,94 |



| Omschrijving | Opname | Voor | Art.nr. | € |
|------------------|--------|------------|----------|--------------|
| Houder MK | MK3 | 14,0-120,0 | 535.9004 | 31,80 |



| Omschrijving | Opname | Voor | Art.nr. | € |
|-------------------|----------|------------|----------|--------------|
| Houder SDS | SDS-plus | 16,0-100,0 | 535.9005 | 14,94 |


Toepassing: Voor groep 534.

| Omschrijving | Opname | Voor | Art.nr. | € |
|------------------------------|--------|-----------|----------|-------------|
| Centreerboor voor 534 | 6x60mm | 15,0-60,0 | 535.9006 | 5,19 |


Toepassing: Voor groep 534 voor MK-houder en cilindrische houder.

| Omschrijving | Opname | Voor | Art.nr. | € |
|---------------------|---------|------------|----------|-------------|
| Centreerboor | 8x60 mm | 61,0-120,0 | 535.9007 | 6,09 |


Toepassing: Voor groep 535.

| Omschrijving | Opname | Voor | Art.nr. | € |
|---------------------|---------|-----------|----------|-------------|
| Centreerboor | 6x80 mm | 15,0-60,0 | 535.9008 | 5,70 |


Toepassing: Voor groep 535 voor MK-houder en cilindrische houder.

| Omschrijving | Opname | Voor | Art.nr. | € |
|---------------------|---------|------------|----------|-------------|
| Centreerboor | 8x80 mm | 61,0-120,0 | 535.9009 | 6,54 |

536

HSSXE Kernboren Silver-Line 25mm



20.1255

BELANGRIJK! Diameter 12 t/m 15 mm uitsluitend te gebruiken met Karnasch centreerpen.

Uitvoering: Silverline uit hooggelegeerd HSS-XE speciaalstaal gefreesde kernboor. Is extreem gehard aan de tandpunten (tot 68 HRC) Daardoor zeer slijtvast en een zeer hoge standtijd. Goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren.

Toepassing: Voor het boren in normaal staal, maar ook in gelegeerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 12,0 | 25 | Weldon 19 | 536.1200 | 18,90 |
| 13,0 | 25 | Weldon 19 | 536.1300 | 18,90 |
| 14,0 | 25 | Weldon 19 | 536.1400 | 19,23 |
| 15,0 | 25 | Weldon 19 | 536.1500 | 19,23 |
| 16,0 | 25 | Weldon 19 | 536.1600 | 20,46 |
| 17,0 | 25 | Weldon 19 | 536.1700 | 20,46 |
| 18,0 | 25 | Weldon 19 | 536.1800 | 21,39 |
| 19,0 | 25 | Weldon 19 | 536.1900 | 21,39 |
| 20,0 | 25 | Weldon 19 | 536.2000 | 23,22 |
| 21,0 | 25 | Weldon 19 | 536.2100 | 23,22 |
| 22,0 | 25 | Weldon 19 | 536.2200 | 28,50 |
| 23,0 | 25 | Weldon 19 | 536.2300 | 28,50 |
| 24,0 | 25 | Weldon 19 | 536.2400 | 29,76 |
| 25,0 | 25 | Weldon 19 | 536.2500 | 29,76 |
| 26,0 | 25 | Weldon 19 | 536.2600 | 32,28 |
| 27,0 | 25 | Weldon 19 | 536.2700 | 32,34 |
| 28,0 | 25 | Weldon 19 | 536.2800 | 34,62 |
| 29,0 | 25 | Weldon 19 | 536.2900 | 34,62 |
| 30,0 | 25 | Weldon 19 | 536.3000 | 36,39 |
| 31,0 | 25 | Weldon 19 | 536.3100 | 36,39 |
| 32,0 | 25 | Weldon 19 | 536.3200 | 37,95 |
| 33,0 | 25 | Weldon 19 | 536.3300 | 37,95 |
| 34,0 | 25 | Weldon 19 | 536.3400 | 40,02 |
| 35,0 | 25 | Weldon 19 | 536.3500 | 40,02 |
| 36,0 | 25 | Weldon 19 | 536.3600 | 45,36 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 37,0 | 25 | Weldon 19 | 536.3700 | 48,12 |
| 38,0 | 25 | Weldon 19 | 536.3800 | 51,63 |
| 39,0 | 25 | Weldon 19 | 536.3900 | 51,63 |
| 40,0 | 25 | Weldon 19 | 536.4000 | 56,64 |
| 41,0 | 25 | Weldon 19 | 536.4100 | 56,64 |
| 42,0 | 25 | Weldon 19 | 536.4200 | 61,17 |
| 43,0 | 25 | Weldon 19 | 536.4300 | 61,17 |
| 44,0 | 25 | Weldon 19 | 536.4400 | 67,17 |
| 45,0 | 25 | Weldon 19 | 536.4500 | 67,17 |
| 46,0 | 25 | Weldon 19 | 536.4600 | 72,24 |
| 47,0 | 25 | Weldon 19 | 536.4700 | 72,24 |
| 48,0 | 25 | Weldon 19 | 536.4800 | 76,20 |
| 49,0 | 25 | Weldon 19 | 536.4900 | 76,20 |
| 50,0 | 25 | Weldon 19 | 536.5000 | 81,48 |
| 51,0 | 25 | Weldon 19 | 536.5100 | 81,48 |
| 52,0 | 25 | Weldon 19 | 536.5200 | 88,35 |
| 53,0 | 25 | Weldon 19 | 536.5300 | 91,14 |
| 54,0 | 25 | Weldon 19 | 536.5400 | 93,96 |
| 55,0 | 25 | Weldon 19 | 536.5500 | 96,18 |
| 56,0 | 25 | Weldon 19 | 536.5600 | 99,69 |
| 57,0 | 25 | Weldon 19 | 536.5700 | 103,20 |
| 58,0 | 25 | Weldon 19 | 536.5800 | 105,78 |
| 59,0 | 25 | Weldon 19 | 536.5900 | 109,08 |
| 60,0 | 25 | Weldon 19 | 536.6000 | 112,38 |

545

Uitwerpstiften 25mm



20.1261

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 77mm | ø12 - 60mm | 545.0030 | 5,40 |

900

HSSXE Kernboren Silver-Line 25mm, in ABS-koffer



Inhoud: 8 delig Silver-Line 25 mm Silver-Line Kernboren: 1x 14, 16, 18, 20, 22, 26 mm. 2 centreerpennen.

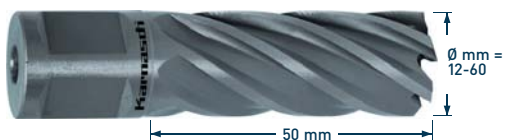
Uitvoering: Silverline uit hooggelegeerd HSS-XE speciaalstaal gefreesde kernboor. Is extreem gehard aan de tandpunten (tot 68 HRC) Daardoor zeer slijtvast en een zeer hoge standtijd. Goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren.

Toepassing: Voor het boren in normaal staal, maar ook in gelegeerde staalsoorten.

| Omschrijving | Art.nr. | € / set |
|---------------------------------------|----------|---------|
| 8-dlg. Set Silver-Line 25mm kernboren | 900.5030 | 271,63 |

536

HSSXE Kernboren Silver-Line 50mm



20.1265

Uitvoering: Silverline uit hooggelegeerd HSS-XE speciaalstaal gefreesde kernboor. Is extreem gehard aan de tandpunten (tot 68 HRC) Daardoor zeer slijtvast en een zeer hoge standtijd. Goede spaanafvoer naar boven, direct zelfcenterend, rustig aanboren.

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 12,0 | 50 | Weldon 19 | 536.1201 | 24,51 |
| 13,0 | 50 | Weldon 19 | 536.1301 | 24,51 |
| 14,0 | 50 | Weldon 19 | 536.1401 | 25,38 |
| 15,0 | 50 | Weldon 19 | 536.1501 | 25,38 |
| 16,0 | 50 | Weldon 19 | 536.1601 | 26,13 |
| 17,0 | 50 | Weldon 19 | 536.1701 | 26,13 |
| 18,0 | 50 | Weldon 19 | 536.1801 | 28,23 |
| 19,0 | 50 | Weldon 19 | 536.1901 | 28,23 |
| 20,0 | 50 | Weldon 19 | 536.2001 | 30,45 |
| 21,0 | 50 | Weldon 19 | 536.2101 | 30,45 |
| 22,0 | 50 | Weldon 19 | 536.2201 | 34,29 |
| 23,0 | 50 | Weldon 19 | 536.2301 | 34,29 |
| 24,0 | 50 | Weldon 19 | 536.2401 | 36,33 |
| 25,0 | 50 | Weldon 19 | 536.2501 | 36,33 |
| 26,0 | 50 | Weldon 19 | 536.2601 | 39,09 |
| 27,0 | 50 | Weldon 19 | 536.2701 | 39,15 |
| 28,0 | 50 | Weldon 19 | 536.2801 | 42,54 |
| 29,0 | 50 | Weldon 19 | 536.2901 | 42,54 |
| 30,0 | 50 | Weldon 19 | 536.3001 | 44,70 |
| 31,0 | 50 | Weldon 19 | 536.3101 | 44,70 |
| 32,0 | 50 | Weldon 19 | 536.3201 | 47,79 |
| 33,0 | 50 | Weldon 19 | 536.3301 | 47,79 |
| 34,0 | 50 | Weldon 19 | 536.3401 | 50,97 |
| 35,0 | 50 | Weldon 19 | 536.3501 | 50,97 |
| 36,0 | 50 | Weldon 19 | 536.3601 | 57,72 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 37,0 | 50 | Weldon 19 | 536.3701 | 61,83 |
| 38,0 | 50 | Weldon 19 | 536.3801 | 65,61 |
| 39,0 | 50 | Weldon 19 | 536.3901 | 65,61 |
| 40,0 | 50 | Weldon 19 | 536.4001 | 71,76 |
| 41,0 | 50 | Weldon 19 | 536.4101 | 71,76 |
| 42,0 | 50 | Weldon 19 | 536.4201 | 77,64 |
| 43,0 | 50 | Weldon 19 | 536.4301 | 77,64 |
| 44,0 | 50 | Weldon 19 | 536.4401 | 85,26 |
| 45,0 | 50 | Weldon 19 | 536.4501 | 85,26 |
| 46,0 | 50 | Weldon 19 | 536.4601 | 91,59 |
| 47,0 | 50 | Weldon 19 | 536.4701 | 91,59 |
| 48,0 | 50 | Weldon 19 | 536.4801 | 96,72 |
| 49,0 | 50 | Weldon 19 | 536.4901 | 96,72 |
| 50,0 | 50 | Weldon 19 | 536.5001 | 109,14 |
| 51,0 | 50 | Weldon 19 | 536.5101 | 109,14 |
| 52,0 | 50 | Weldon 19 | 536.5201 | 114,42 |
| 53,0 | 50 | Weldon 19 | 536.5301 | 117,99 |
| 54,0 | 50 | Weldon 19 | 536.5401 | 121,98 |
| 55,0 | 50 | Weldon 19 | 536.5501 | 125,28 |
| 56,0 | 50 | Weldon 19 | 536.5601 | 129,00 |
| 57,0 | 50 | Weldon 19 | 536.5701 | 132,18 |
| 58,0 | 50 | Weldon 19 | 536.5801 | 135,75 |
| 59,0 | 50 | Weldon 19 | 536.5901 | 138,84 |
| 60,0 | 50 | Weldon 19 | 536.6001 | 142,83 |

545

Uitwerpstiften 50mm



20.1271

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø6,34 x 102mm | ø12 - 60mm | 545.0031 | 6,24 |

900

HSSXE Kernboren Silver-Line 50mm, in ABS-koffer



Inhoud: 8-delig Silver-Line 50 mm: 1x 14, 16, 18, 20, 22, 26 mm. 2 centreerpennen.

Uitvoering: Silverline uit hooggelegeerd HSS-XE speciaalstaal gefreesde kernboor. Is extreem gehard aan de tandpunten (tot 68 HRC) Daardoor zeer slijtvast en een zeer hoge standtijd. Goede spaanafvoer naar boven, direct zelfcenterend, rustig aanboren.

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Omschrijving | Art.nr. | € / set |
|---------------------------------------|----------|---------|
| 8-dlg. Set Silver-Line 50mm kernboren | 900.5035 | 322,90 |

544

HSSXE Kernboren Mini-Line 8mm



HSS-XE

20.1230

Uitvoering: XE-speciaalstalen kernboren.
Toepassing: Voor het boren in normaal staal.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 8 | 8 | Weldon 12,7 | 544.9108 | 13,35 |
| 10 | 8 | Weldon 12,7 | 544.9110 | 13,35 |
| 12 | 8 | Weldon 12,7 | 544.9120 | 13,35 |
| 13 | 8 | Weldon 12,7 | 544.9130 | 13,80 |
| 14 | 8 | Weldon 12,7 | 544.9140 | 13,95 |
| 16 | 8 | Weldon 12,7 | 544.9160 | 16,14 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 18 | 8 | Weldon 12,7 | 544.9180 | 18,15 |
| 20 | 8 | Weldon 12,7 | 544.9200 | 19,50 |
| 22 | 8 | Weldon 12,7 | 544.9220 | 21,39 |
| 24 | 8 | Weldon 12,7 | 544.9240 | 22,89 |
| 25 | 8 | Weldon 12,7 | 544.9250 | 23,64 |

900

HSSXE Kernboren Mini-Line 8mm, in ABS-koffer

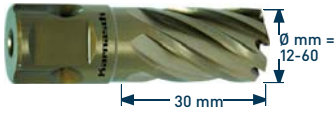


20.1251

Inhoud: Kernboren Mini-Line 8 mm: 8, 10, 12, 13, 14, 16, 18, 20, 22, 24 en 25 mm.
2 centreerpennen, adapter Universeel Weldon 19 mm naar 12,7 mm, houder met 10 mm schacht.
Uitvoering: XE-speciaalstalen kernboren.
Toepassing: Voor het boren in normaal staal.

| Omschrijving | Art.nr. | € / set |
|-------------------------------------|----------|---------|
| 15-dlg. Set Mini-Line 8mm kernboren | 900.5040 | 425,25 |

537 HSSXE Kernboren Gold-Line 30mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 30 | Universeel 19 | 537.1200 | 26,94 |
| 13,0 | 30 | Universeel 19 | 537.1300 | 26,94 |
| 13,5 | 30 | Universeel 19 | 537.1350 | 24,99 |
| 14,0 | 30 | Universeel 19 | 537.1400 | 27,45 |
| 15,0 | 30 | Universeel 19 | 537.1500 | 27,45 |
| 15,5 | 30 | Universeel 19 | 537.1550 | 25,65 |
| 16,0 | 30 | Universeel 19 | 537.1600 | 28,50 |
| 17,0 | 30 | Universeel 19 | 537.1700 | 28,50 |
| 17,5 | 30 | Universeel 19 | 537.1750 | 26,79 |
| 18,0 | 30 | Universeel 19 | 537.1800 | 29,85 |
| 19,0 | 30 | Universeel 19 | 537.1900 | 29,85 |
| 19,5 | 30 | Universeel 19 | 537.1950 | 28,14 |
| 20,0 | 30 | Universeel 19 | 537.2000 | 31,44 |
| 21,0 | 30 | Universeel 19 | 537.2100 | 31,44 |
| 22,0 | 30 | Universeel 19 | 537.2200 | 37,29 |
| 23,0 | 30 | Universeel 19 | 537.2300 | 37,29 |
| 24,0 | 30 | Universeel 19 | 537.2400 | 38,70 |
| 25,0 | 30 | Universeel 19 | 537.2500 | 38,70 |
| 26,0 | 30 | Universeel 19 | 537.2600 | 41,04 |
| 26,5 | 30 | Universeel 19 | 537.2650 | 38,40 |
| 27,0 | 30 | Universeel 19 | 537.2700 | 41,04 |
| 28,0 | 30 | Universeel 19 | 537.2800 | 44,19 |
| 29,0 | 30 | Universeel 19 | 537.2900 | 44,19 |
| 30,0 | 30 | Universeel 19 | 537.3000 | 46,35 |
| 31,0 | 30 | Universeel 19 | 537.3100 | 46,35 |
| 32,0 | 30 | Universeel 19 | 537.3200 | 48,39 |
| 33,0 | 30 | Universeel 19 | 537.3300 | 48,39 |

20.1260N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-opppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 34,0 | 30 | Universeel 19 | 537.3400 | 51,09 |
| 35,0 | 30 | Universeel 19 | 537.3500 | 51,09 |
| 36,0 | 30 | Universeel 19 | 537.3600 | 57,84 |
| 37,0 | 30 | Universeel 19 | 537.3700 | 60,15 |
| 38,0 | 30 | Universeel 19 | 537.3800 | 64,59 |
| 39,0 | 30 | Universeel 19 | 537.3900 | 64,59 |
| 40,0 | 30 | Universeel 19 | 537.4000 | 70,80 |
| 41,0 | 30 | Universeel 19 | 537.4100 | 70,80 |
| 42,0 | 30 | Universeel 19 | 537.4200 | 76,44 |
| 43,0 | 30 | Universeel 19 | 537.4300 | 76,44 |
| 44,0 | 30 | Universeel 19 | 537.4400 | 83,94 |
| 45,0 | 30 | Universeel 19 | 537.4500 | 83,94 |
| 46,0 | 30 | Universeel 19 | 537.4600 | 90,24 |
| 47,0 | 30 | Universeel 19 | 537.4700 | 90,24 |
| 48,0 | 30 | Universeel 19 | 537.4800 | 95,25 |
| 49,0 | 30 | Universeel 19 | 537.4900 | 95,25 |
| 50,0 | 30 | Universeel 19 | 537.5000 | 101,79 |
| 51,0 | 30 | Universeel 19 | 537.5100 | 101,79 |
| 52,0 | 30 | Universeel 19 | 537.5200 | 110,40 |
| 53,0 | 30 | Universeel 19 | 537.5300 | 113,85 |
| 54,0 | 30 | Universeel 19 | 537.5400 | 117,39 |
| 55,0 | 30 | Universeel 19 | 537.5500 | 120,24 |
| 56,0 | 30 | Universeel 19 | 537.5600 | 124,59 |
| 57,0 | 30 | Universeel 19 | 537.5700 | 129,00 |
| 58,0 | 30 | Universeel 19 | 537.5800 | 132,24 |
| 59,0 | 30 | Universeel 19 | 537.5900 | 136,35 |
| 60,0 | 30 | Universeel 19 | 537.6000 | 140,49 |

545 Uitwerpstiften 30mm



20.1261

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 77mm | ø12 - 60mm | 545.0030 | 5,40 |

900 HSSXE Kernboren Gold-Line 30mm, in ABS-koffer



Inhoud: Kernboren Gold-Line 30 mm.
8 delig
Maten: 1x 14, 16, 18, 20, 22, 26 mm.
2 centreerpennen.

43 delig
Maten: 1x 12 - 50 mm, 1 mm oplopend.
4 centreerpennen.

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-opppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Omschrijving | Art.nr. | € / set |
|--------------------------------------|----------|---------|
| 8-dlg. Set Gold-Line kernboren 30mm | 900.5015 | 313,38 |
| 43-dlg. Set Gold-Line kernboren 30mm | 900.5017 | 3140,53 |

538

HSSXE Kernboren Gold-Line 55mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 55 | Universeel 19 | 538.1200 | 33,75 |
| 13,0 | 55 | Universeel 19 | 538.1300 | 33,75 |
| 13,5 | 55 | Universeel 19 | 538.1350 | 31,50 |
| 14,0 | 55 | Universeel 19 | 538.1400 | 34,89 |
| 15,0 | 55 | Universeel 19 | 538.1500 | 34,89 |
| 15,5 | 55 | Universeel 19 | 538.1550 | 32,40 |
| 16,0 | 55 | Universeel 19 | 538.1600 | 35,85 |
| 17,0 | 55 | Universeel 19 | 538.1700 | 35,85 |
| 17,5 | 55 | Universeel 19 | 538.1750 | 33,60 |
| 18,0 | 55 | Universeel 19 | 538.1800 | 37,29 |
| 19,0 | 55 | Universeel 19 | 538.1900 | 37,29 |
| 19,5 | 55 | Universeel 19 | 538.1950 | 34,95 |
| 20,0 | 55 | Universeel 19 | 538.2000 | 38,85 |
| 21,0 | 55 | Universeel 19 | 538.2100 | 38,85 |
| 22,0 | 55 | Universeel 19 | 538.2200 | 44,19 |
| 23,0 | 55 | Universeel 19 | 538.2300 | 44,19 |
| 24,0 | 55 | Universeel 19 | 538.2400 | 46,74 |
| 25,0 | 55 | Universeel 19 | 538.2500 | 46,74 |
| 26,0 | 55 | Universeel 19 | 538.2600 | 49,35 |
| 26,5 | 55 | Universeel 19 | 538.2650 | 47,64 |
| 27,0 | 55 | Universeel 19 | 538.2700 | 49,35 |
| 28,0 | 55 | Universeel 19 | 538.2800 | 53,70 |
| 29,0 | 55 | Universeel 19 | 538.2900 | 53,70 |
| 30,0 | 55 | Universeel 19 | 538.3000 | 56,40 |
| 31,0 | 55 | Universeel 19 | 538.3100 | 56,40 |
| 32,0 | 55 | Universeel 19 | 538.3200 | 60,39 |
| 33,0 | 55 | Universeel 19 | 538.3300 | 60,39 |

20.1270N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-oppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 34,0 | 55 | Universeel 19 | 538.3400 | 64,35 |
| 35,0 | 55 | Universeel 19 | 538.3500 | 64,35 |
| 36,0 | 55 | Universeel 19 | 538.3600 | 72,84 |
| 37,0 | 55 | Universeel 19 | 538.3700 | 75,75 |
| 38,0 | 55 | Universeel 19 | 538.3800 | 80,40 |
| 39,0 | 55 | Universeel 19 | 538.3900 | 80,40 |
| 40,0 | 55 | Universeel 19 | 538.4000 | 87,99 |
| 41,0 | 55 | Universeel 19 | 538.4100 | 87,99 |
| 42,0 | 55 | Universeel 19 | 538.4200 | 95,19 |
| 43,0 | 55 | Universeel 19 | 538.4300 | 95,19 |
| 44,0 | 55 | Universeel 19 | 538.4400 | 104,55 |
| 45,0 | 55 | Universeel 19 | 538.4500 | 104,55 |
| 46,0 | 55 | Universeel 19 | 538.4600 | 112,35 |
| 47,0 | 55 | Universeel 19 | 538.4700 | 112,44 |
| 48,0 | 55 | Universeel 19 | 538.4800 | 118,65 |
| 49,0 | 55 | Universeel 19 | 538.4900 | 118,65 |
| 50,0 | 55 | Universeel 19 | 538.5000 | 133,89 |
| 51,0 | 55 | Universeel 19 | 538.5100 | 133,89 |
| 52,0 | 55 | Universeel 19 | 538.5200 | 140,25 |
| 53,0 | 55 | Universeel 19 | 538.5300 | 144,75 |
| 54,0 | 55 | Universeel 19 | 538.5400 | 149,55 |
| 55,0 | 55 | Universeel 19 | 538.5500 | 153,60 |
| 56,0 | 55 | Universeel 19 | 538.5600 | 158,34 |
| 57,0 | 55 | Universeel 19 | 538.5700 | 162,09 |
| 58,0 | 55 | Universeel 19 | 538.5800 | 166,59 |
| 59,0 | 55 | Universeel 19 | 538.5900 | 170,40 |
| 60,0 | 55 | Universeel 19 | 538.6000 | 175,20 |

545

Uitwerpstiften 55mm



20.1271

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø6,34 x 102mm | ø12 - 60mm | 545.0031 | 6,24 |

900

HSSXE Kernboren Gold-Line 30mm, in ABS-koffer



Inhoud: Kernboren Gold-Line 55mm.

8 delig
Maten: 1x 14, 16, 18, 20, 22, 26 mm.
2 centreerpennen.

43 delig
Maten: 1x 12 - 50 mm, 1 mm olopend.
4 centreerpennen.

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-oppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Omschrijving | Art.nr. | € / set |
|--------------------------------------|----------|---------|
| 8-dlg. Set Gold-Line kernboren 55mm | 900.5020 | 412,02 |
| 43-dlg. Set Gold-Line kernboren 55mm | 900.5022 | 3867,95 |

538

HSSXE Kernboren Gold-Line 80mm

Karnasch
GERMANY



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 18,0 | 80 | Universeel 19 | 538.1801 | 59,25 |
| 19,0 | 80 | Universeel 19 | 538.1901 | 59,25 |
| 20,0 | 80 | Universeel 19 | 538.2001 | 61,65 |
| 21,0 | 80 | Universeel 19 | 538.2101 | 61,65 |
| 22,0 | 80 | Universeel 19 | 538.2201 | 70,20 |
| 23,0 | 80 | Universeel 19 | 538.2301 | 70,20 |
| 24,0 | 80 | Universeel 19 | 538.2401 | 74,25 |
| 25,0 | 80 | Universeel 19 | 538.2501 | 74,25 |
| 26,0 | 80 | Universeel 19 | 538.2601 | 76,89 |
| 27,0 | 80 | Universeel 19 | 538.2701 | 76,89 |
| 28,0 | 80 | Universeel 19 | 538.2801 | 83,70 |

20.1285N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-oppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 29,0 | 80 | Universeel 19 | 538.2901 | 83,70 |
| 30,0 | 80 | Universeel 19 | 538.3001 | 87,99 |
| 32,0 | 80 | Universeel 19 | 538.3201 | 94,05 |
| 33,0 | 80 | Universeel 19 | 538.3301 | 94,05 |
| 35,0 | 80 | Universeel 19 | 538.3501 | 98,55 |
| 36,0 | 80 | Universeel 19 | 538.3601 | 111,54 |
| 38,0 | 80 | Universeel 19 | 538.3801 | 118,35 |
| 40,0 | 80 | Universeel 19 | 538.4001 | 129,54 |
| 45,0 | 80 | Universeel 19 | 538.4501 | 153,84 |
| 50,0 | 80 | Universeel 19 | 538.5001 | 197,10 |

545

Uitwerpstiften 80mm

Karnasch
GERMANY



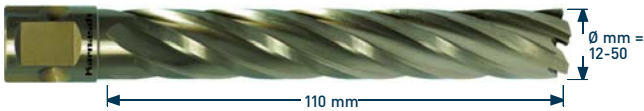
20.1439

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø7,98 x 130mm | ø18 - 50mm | 545.0034 | 10,65 |

538

HSSXE Kernboren Gold-Line 110mm

Karnasch
GERMANY



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 18,0 | 110 | Universeel 19 | 538.1802 | 75,30 |
| 19,0 | 110 | Universeel 19 | 538.1902 | 77,19 |
| 20,0 | 110 | Universeel 19 | 538.2002 | 78,45 |
| 21,0 | 110 | Universeel 19 | 538.2102 | 83,85 |
| 22,0 | 110 | Universeel 19 | 538.2202 | 85,74 |
| 23,0 | 110 | Universeel 19 | 538.2302 | 87,45 |
| 24,0 | 110 | Universeel 19 | 538.2402 | 89,64 |
| 25,0 | 110 | Universeel 19 | 538.2502 | 91,74 |
| 26,0 | 110 | Universeel 19 | 538.2602 | 101,04 |
| 27,0 | 110 | Universeel 19 | 538.2702 | 103,05 |
| 28,0 | 110 | Universeel 19 | 538.2802 | 106,14 |

20.1280N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-oppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 29,0 | 110 | Universeel 19 | 538.2902 | 109,20 |
| 30,0 | 110 | Universeel 19 | 538.3002 | 113,49 |
| 32,0 | 110 | Universeel 19 | 538.3202 | 126,39 |
| 33,0 | 110 | Universeel 19 | 538.3302 | 129,09 |
| 35,0 | 110 | Universeel 19 | 538.3502 | 134,94 |
| 36,0 | 110 | Universeel 19 | 538.3602 | 150,45 |
| 38,0 | 110 | Universeel 19 | 538.3802 | 161,70 |
| 40,0 | 110 | Universeel 19 | 538.4002 | 178,50 |
| 45,0 | 110 | Universeel 19 | 538.4502 | 210,24 |
| 50,0 | 110 | Universeel 19 | 538.5002 | 257,85 |

545

Uitwerpstiften 110mm

Karnasch
GERMANY



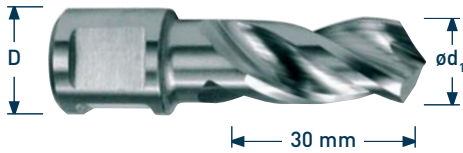
20.1399

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø7,98 x 160mm | ø18 - 50mm | 545.0032 | 11,70 |

538

HSS Volboren met weldon-schacht

ROTEC®



Uitvoering: Volboor uit HSS, CBN geslepen. Voorzien van 3-snijflanken met spiraalgroeven, voor extreem stabiel boren, bijkomend voordeel een langere standtijd! Zeer eenvoudig naslijpbaar! Weldon aansluiting.

Toepassing: Voor gebruik in magneetboormachines of kolomboormachines met MK opname in combinatie met een opnamehouder. Geschikt voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------------|
| 10,0 | 30 | Weldon 19 | 538.9010 | 42,94 |
| 11,0 | 30 | Weldon 19 | 538.9011 | 51,25 |
| 12,0 | 30 | Weldon 19 | 538.9012 | 51,25 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------------|
| 13,0 | 30 | Weldon 19 | 538.9013 | 52,14 |
| 14,0 | 30 | Weldon 19 | 538.9014 | 52,66 |
| 15,0 | 30 | Weldon 19 | 538.9015 | 54,66 |

HSS Verzinkfrezen met weldon-schacht

ROTEC®



Uitvoering: De verzinkfrezen zijn voorzien van een Weldon 19 mm opname.

| Diameter (mm) | Totaallengte | Opname | Art.nr. | € / st |
|---------------|--------------|-----------|----------|---------------|
| 25 | 43 | Weldon 19 | 538.9325 | 51,45 |
| 30 | 47 | Weldon 19 | 538.9330 | 64,84 |
| 40 | 52 | Weldon 19 | 538.9340 | 92,66 |
| 55 | 63 | Weldon 19 | 538.9355 | 172,20 |

HSS-XE Spiraalboren TiN-gecoat

Karnasch GERMANY



20.1840

HSS-Co met TiN-coating voor een zeer hoge standtijd, ook bij droog gebruik (zonder/weinig koeling). High-performance spiraalboren met weldon voor snel, prijsgunstig en precies boren.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|--------------|----------|--------------|
| 4,0 | 50 | Schacht 4,0 | 538.9400 | 9,54 |
| 5,0 | 50 | Schacht 5,0 | 538.9401 | 10,65 |
| 6,0 | 50 | Schacht 6,0 | 538.9402 | 12,45 |
| 6,8 | 50 | Schacht 6,8 | 538.9403 | 12,84 |
| 7,0 | 50 | Schacht 7,0 | 538.9404 | 14,10 |
| 8,0 | 50 | Schacht 8,0 | 538.9405 | 16,65 |
| 8,5 | 50 | Schacht 8,5 | 538.9406 | 15,39 |
| 9,0 | 50 | Schacht 9,0 | 538.9407 | 18,75 |
| 10,0 | 50 | Schacht 10,0 | 538.9408 | 20,40 |
| 10,3 | 50 | Schacht 10,3 | 538.9409 | 16,65 |
| 11,0 | 50 | Schacht 11,0 | 538.9410 | 22,44 |
| 12,0 | 50 | Schacht 12,0 | 538.9411 | 24,75 |

Adapter Weldon

Karnasch GERMANY

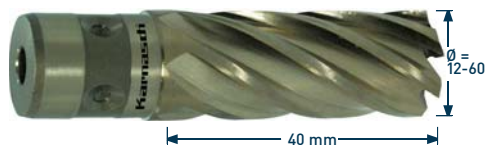


20.1830

| Omschrijving | Opname | Afgifte | Art.nr. | € / st |
|--------------|-----------|---------|----------|--------------|
| Adapter | Weldon 19 | 4,0 | 538.9420 | 10,74 |
| Adapter | Weldon 19 | 5,0 | 538.9421 | 10,74 |
| Adapter | Weldon 19 | 6,0 | 538.9422 | 10,74 |
| Adapter | Weldon 19 | 6,8 | 538.9423 | 10,74 |
| Adapter | Weldon 19 | 7,0 | 538.9424 | 10,74 |
| Adapter | Weldon 19 | 8,0 | 538.9425 | 10,74 |
| Adapter | Weldon 19 | 8,5 | 538.9426 | 10,74 |
| Adapter | Weldon 19 | 9,0 | 538.9427 | 10,74 |
| Adapter | Weldon 19 | 10,0 | 538.9428 | 10,74 |
| Adapter | Weldon 19 | 10,3 | 538.9429 | 10,74 |
| Adapter | Weldon 19 | 11,0 | 538.9430 | 10,74 |
| Adapter | Weldon 19 | 12,0 | 538.9431 | 10,74 |

539

HSSXE Kernboren Gold-Line (FEIN / Quick-In) 40mm



20.1146U

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van GOLD-TECH-oppervlaktebehandeling. Door speciale geslepen (niet gefreesde) tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd! Met Fein-aansluiting.

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 12,0 | 40 | Quick-In 18 | 539.1200 | 28,65 |
| 13,0 | 40 | Quick-In 18 | 539.1300 | 28,65 |
| 14,0 | 40 | Quick-In 18 | 539.1400 | 29,10 |
| 15,0 | 40 | Quick-In 18 | 539.1500 | 29,10 |
| 16,0 | 40 | Quick-In 18 | 539.1600 | 29,70 |
| 17,0 | 40 | Quick-In 18 | 539.1700 | 29,70 |
| 18,0 | 40 | Quick-In 18 | 539.1800 | 31,29 |
| 19,0 | 40 | Quick-In 18 | 539.1900 | 31,29 |
| 20,0 | 40 | Quick-In 18 | 539.2000 | 32,79 |
| 21,0 | 40 | Quick-In 18 | 539.2100 | 32,79 |
| 22,0 | 40 | Quick-In 18 | 539.2200 | 37,80 |
| 23,0 | 40 | Quick-In 18 | 539.2300 | 37,80 |
| 24,0 | 40 | Quick-In 18 | 539.2400 | 39,15 |
| 25,0 | 40 | Quick-In 18 | 539.2500 | 39,15 |
| 26,0 | 40 | Quick-In 18 | 539.2600 | 41,64 |
| 27,0 | 40 | Quick-In 18 | 539.2700 | 41,79 |
| 28,0 | 40 | Quick-In 18 | 539.2800 | 44,79 |
| 29,0 | 40 | Quick-In 18 | 539.2900 | 44,79 |
| 30,0 | 40 | Quick-In 18 | 539.3000 | 46,89 |
| 31,0 | 40 | Quick-In 18 | 539.3100 | 46,89 |
| 32,0 | 40 | Quick-In 18 | 539.3200 | 49,29 |
| 33,0 | 40 | Quick-In 18 | 539.3300 | 49,29 |
| 34,0 | 40 | Quick-In 18 | 539.3400 | 51,84 |
| 35,0 | 40 | Quick-In 18 | 539.3500 | 51,84 |
| 36,0 | 40 | Quick-In 18 | 539.3600 | 58,65 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 37,0 | 40 | Quick-In 18 | 539.3700 | 61,14 |
| 38,0 | 40 | Quick-In 18 | 539.3800 | 65,34 |
| 39,0 | 40 | Quick-In 18 | 539.3900 | 65,34 |
| 40,0 | 40 | Quick-In 18 | 539.4000 | 72,00 |
| 41,0 | 40 | Quick-In 18 | 539.4100 | 72,00 |
| 42,0 | 40 | Quick-In 18 | 539.4200 | 77,40 |
| 43,0 | 40 | Quick-In 18 | 539.4300 | 77,40 |
| 44,0 | 40 | Quick-In 18 | 539.4400 | 85,20 |
| 45,0 | 40 | Quick-In 18 | 539.4500 | 85,20 |
| 46,0 | 40 | Quick-In 18 | 539.4600 | 91,20 |
| 47,0 | 40 | Quick-In 18 | 539.4700 | 91,29 |
| 48,0 | 40 | Quick-In 18 | 539.4800 | 96,45 |
| 49,0 | 40 | Quick-In 18 | 539.4900 | 96,45 |
| 50,0 | 40 | Quick-In 18 | 539.5000 | 103,05 |
| 51,0 | 40 | Quick-In 18 | 539.5100 | 103,05 |
| 52,0 | 40 | Quick-In 18 | 539.5200 | 112,14 |
| 53,0 | 40 | Quick-In 18 | 539.5300 | 115,44 |
| 54,0 | 40 | Quick-In 18 | 539.5400 | 118,89 |
| 55,0 | 40 | Quick-In 18 | 539.5500 | 121,95 |
| 56,0 | 40 | Quick-In 18 | 539.5600 | 126,45 |
| 57,0 | 40 | Quick-In 18 | 539.5700 | 130,74 |
| 58,0 | 40 | Quick-In 18 | 539.5800 | 133,80 |
| 59,0 | 40 | Quick-In 18 | 539.5900 | 138,09 |
| 60,0 | 40 | Quick-In 18 | 539.6000 | 142,44 |

545

Uitwerpstiften 40mm

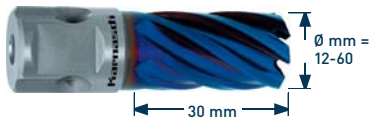


20.1388

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 90mm | ø12 - 60mm | 545.0035 | 6,54 |

540

HSSXE Kernboren Blue-Line 30mm



20.1312N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating. Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 30 | Universeel 19 | 540.1200 | 35,70 |
| 13,0 | 30 | Universeel 19 | 540.1300 | 35,70 |
| 14,0 | 30 | Universeel 19 | 540.1400 | 36,39 |
| 15,0 | 30 | Universeel 19 | 540.1500 | 36,39 |
| 16,0 | 30 | Universeel 19 | 540.1600 | 37,44 |
| 17,0 | 30 | Universeel 19 | 540.1700 | 37,44 |
| 18,0 | 30 | Universeel 19 | 540.1800 | 38,70 |
| 19,0 | 30 | Universeel 19 | 540.1900 | 38,70 |
| 20,0 | 30 | Universeel 19 | 540.2000 | 40,89 |
| 21,0 | 30 | Universeel 19 | 540.2100 | 40,89 |
| 22,0 | 30 | Universeel 19 | 540.2200 | 46,59 |
| 23,0 | 30 | Universeel 19 | 540.2300 | 47,70 |
| 24,0 | 30 | Universeel 19 | 540.2400 | 49,05 |
| 25,0 | 30 | Universeel 19 | 540.2500 | 49,05 |
| 26,0 | 30 | Universeel 19 | 540.2600 | 51,30 |
| 27,0 | 30 | Universeel 19 | 540.2700 | 51,30 |
| 28,0 | 30 | Universeel 19 | 540.2800 | 55,74 |
| 29,0 | 30 | Universeel 19 | 540.2900 | 55,74 |
| 30,0 | 30 | Universeel 19 | 540.3000 | 57,84 |
| 31,0 | 30 | Universeel 19 | 540.3100 | 57,84 |
| 32,0 | 30 | Universeel 19 | 540.3200 | 59,94 |
| 33,0 | 30 | Universeel 19 | 540.3300 | 59,94 |
| 34,0 | 30 | Universeel 19 | 540.3400 | 62,64 |
| 35,0 | 30 | Universeel 19 | 540.3500 | 62,64 |
| 36,0 | 30 | Universeel 19 | 540.3600 | 69,39 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 37,0 | 30 | Universeel 19 | 540.3700 | 86,64 |
| 38,0 | 30 | Universeel 19 | 540.3800 | 90,99 |
| 39,0 | 30 | Universeel 19 | 540.3900 | 90,99 |
| 40,0 | 30 | Universeel 19 | 540.4000 | 97,29 |
| 41,0 | 30 | Universeel 19 | 540.4100 | 97,29 |
| 42,0 | 30 | Universeel 19 | 540.4200 | 102,90 |
| 43,0 | 30 | Universeel 19 | 540.4300 | 102,90 |
| 44,0 | 30 | Universeel 19 | 540.4400 | 110,34 |
| 45,0 | 30 | Universeel 19 | 540.4500 | 110,34 |
| 46,0 | 30 | Universeel 19 | 540.4600 | 116,64 |
| 47,0 | 30 | Universeel 19 | 540.4700 | 116,64 |
| 48,0 | 30 | Universeel 19 | 540.4800 | 121,65 |
| 49,0 | 30 | Universeel 19 | 540.4900 | 121,65 |
| 50,0 | 30 | Universeel 19 | 540.5000 | 128,19 |
| 51,0 | 30 | Universeel 19 | 540.5100 | 128,19 |
| 52,0 | 30 | Universeel 19 | 540.5200 | 136,89 |
| 53,0 | 30 | Universeel 19 | 540.5300 | 140,34 |
| 54,0 | 30 | Universeel 19 | 540.5400 | 143,85 |
| 55,0 | 30 | Universeel 19 | 540.5500 | 146,70 |
| 56,0 | 30 | Universeel 19 | 540.5600 | 151,05 |
| 57,0 | 30 | Universeel 19 | 540.5700 | 155,49 |
| 58,0 | 30 | Universeel 19 | 540.5800 | 158,64 |
| 59,0 | 30 | Universeel 19 | 540.5900 | 162,84 |
| 60,0 | 30 | Universeel 19 | 540.6000 | 166,95 |

545

Uitwerpstiften 30mm



20.1261

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 77mm | ø12 - 60mm | 545.0030 | 5,40 |

900

HSSXE Kernboren Blue-Line 30mm, in ABS-koffer



Inhoud: Kernboren: 1x 14, 16, 18, 20, 22, 26 mm. 2 centreerpennen.

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating. Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Omschrijving | Art.nr. | € / set |
|-------------------------------------|----------|---------|
| 8-dlg. Set Blue-Line kernboren 30mm | 900.5010 | 350,00 |

542

HSSXE Kernboren Blue-Line 55mm



20.1313N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating. Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 55 | Universeel 19 | 542.1200 | 42,45 |
| 13,0 | 55 | Universeel 19 | 542.1300 | 42,45 |
| 14,0 | 55 | Universeel 19 | 542.1400 | 43,44 |
| 15,0 | 55 | Universeel 19 | 542.1500 | 43,44 |
| 16,0 | 55 | Universeel 19 | 542.1600 | 44,40 |
| 17,0 | 55 | Universeel 19 | 542.1700 | 44,40 |
| 18,0 | 55 | Universeel 19 | 542.1800 | 45,84 |
| 19,0 | 55 | Universeel 19 | 542.1900 | 45,84 |
| 20,0 | 55 | Universeel 19 | 542.2000 | 48,09 |
| 21,0 | 55 | Universeel 19 | 542.2100 | 48,09 |
| 22,0 | 55 | Universeel 19 | 542.2200 | 53,25 |
| 23,0 | 55 | Universeel 19 | 542.2300 | 54,45 |
| 24,0 | 55 | Universeel 19 | 542.2400 | 56,94 |
| 25,0 | 55 | Universeel 19 | 542.2500 | 56,94 |
| 26,0 | 55 | Universeel 19 | 542.2600 | 60,84 |
| 27,0 | 55 | Universeel 19 | 542.2700 | 60,84 |
| 28,0 | 55 | Universeel 19 | 542.2800 | 65,25 |
| 29,0 | 55 | Universeel 19 | 542.2900 | 65,25 |
| 30,0 | 55 | Universeel 19 | 542.3000 | 67,95 |
| 31,0 | 55 | Universeel 19 | 542.3100 | 67,95 |
| 32,0 | 55 | Universeel 19 | 542.3200 | 71,94 |
| 33,0 | 55 | Universeel 19 | 542.3300 | 71,94 |
| 34,0 | 55 | Universeel 19 | 542.3400 | 75,90 |
| 35,0 | 55 | Universeel 19 | 542.3500 | 75,90 |
| 36,0 | 55 | Universeel 19 | 542.3600 | 84,39 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 37,0 | 55 | Universeel 19 | 542.3700 | 102,24 |
| 38,0 | 55 | Universeel 19 | 542.3800 | 106,89 |
| 39,0 | 55 | Universeel 19 | 542.3900 | 106,89 |
| 40,0 | 55 | Universeel 19 | 542.4000 | 114,39 |
| 41,0 | 55 | Universeel 19 | 542.4100 | 114,39 |
| 42,0 | 55 | Universeel 19 | 542.4200 | 121,65 |
| 43,0 | 55 | Universeel 19 | 542.4300 | 121,65 |
| 44,0 | 55 | Universeel 19 | 542.4400 | 130,95 |
| 45,0 | 55 | Universeel 19 | 542.4500 | 130,95 |
| 46,0 | 55 | Universeel 19 | 542.4600 | 138,84 |
| 47,0 | 55 | Universeel 19 | 542.4700 | 138,84 |
| 48,0 | 55 | Universeel 19 | 542.4800 | 145,05 |
| 49,0 | 55 | Universeel 19 | 542.4900 | 145,05 |
| 50,0 | 55 | Universeel 19 | 542.5000 | 160,35 |
| 51,0 | 55 | Universeel 19 | 542.5100 | 160,35 |
| 52,0 | 55 | Universeel 19 | 542.5200 | 166,74 |
| 53,0 | 55 | Universeel 19 | 542.5300 | 171,24 |
| 54,0 | 55 | Universeel 19 | 542.5400 | 176,04 |
| 55,0 | 55 | Universeel 19 | 542.5500 | 180,09 |
| 56,0 | 55 | Universeel 19 | 542.5600 | 184,74 |
| 57,0 | 55 | Universeel 19 | 542.5700 | 188,55 |
| 58,0 | 55 | Universeel 19 | 542.5800 | 192,99 |
| 59,0 | 55 | Universeel 19 | 542.5900 | 196,80 |
| 60,0 | 55 | Universeel 19 | 542.6000 | 201,60 |

545

Uitwerpstiften 55mm



20.1271

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø6,34 x 102mm | ø12 - 60mm | 545.0031 | 6,24 |

900

HSSXE Kernboren Blue-Line 55mm, in ABS-koffer



20.1328

Inhoud: Kernboren: 1x 14, 16, 18, 20, 22, 26 mm. 2 centreerpennen.

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating. Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Omschrijving | Art.nr. | € / set |
|-------------------------------------|----------|---------|
| 8-dlg. Set Blue-Line kernboren 55mm | 900.5012 | 534,60 |

542 HSSXE Kernboren Blue-Line 80mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 18,0 | 80 | Universeel 19 | 542.1801 | 69,60 |
| 19,0 | 80 | Universeel 19 | 542.1901 | 69,60 |
| 20,0 | 80 | Universeel 19 | 542.2001 | 72,00 |
| 21,0 | 80 | Universeel 19 | 542.2101 | 72,00 |
| 22,0 | 80 | Universeel 19 | 542.2201 | 80,55 |
| 23,0 | 80 | Universeel 19 | 542.2301 | 81,75 |
| 24,0 | 80 | Universeel 19 | 542.2401 | 85,80 |
| 25,0 | 80 | Universeel 19 | 542.2501 | 85,80 |
| 26,0 | 80 | Universeel 19 | 542.2601 | 88,35 |
| 27,0 | 80 | Universeel 19 | 542.2701 | 88,35 |
| 28,0 | 80 | Universeel 19 | 542.2801 | 95,25 |

20.1185N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating .Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 29,0 | 80 | Universeel 19 | 542.2901 | 95,25 |
| 30,0 | 80 | Universeel 19 | 542.3001 | 99,45 |
| 32,0 | 80 | Universeel 19 | 542.3201 | 105,60 |
| 33,0 | 80 | Universeel 19 | 542.3301 | 105,60 |
| 35,0 | 80 | Universeel 19 | 542.3501 | 110,04 |
| 36,0 | 80 | Universeel 19 | 542.3601 | 123,09 |
| 38,0 | 80 | Universeel 19 | 542.3801 | 144,84 |
| 40,0 | 80 | Universeel 19 | 542.4001 | 155,94 |
| 45,0 | 80 | Universeel 19 | 542.4501 | 180,24 |
| 50,0 | 80 | Universeel 19 | 542.5001 | 223,59 |

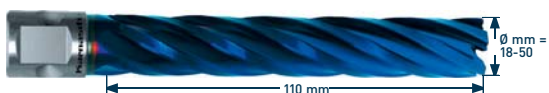
545 Uitwerpstiften 80mm



20.1439

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø7,98 x 130mm | ø18 - 50mm | 545.0034 | 10,65 |

542 HSSXE Kernboren Blue-Line 110mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 18,0 | 110 | Universeel 19 | 542.1802 | 86,19 |
| 19,0 | 110 | Universeel 19 | 542.1902 | 88,14 |
| 20,0 | 110 | Universeel 19 | 542.2002 | 86,25 |
| 21,0 | 110 | Universeel 19 | 542.2102 | 91,50 |
| 22,0 | 110 | Universeel 19 | 542.2202 | 93,24 |
| 23,0 | 110 | Universeel 19 | 542.2302 | 101,64 |
| 24,0 | 110 | Universeel 19 | 542.2402 | 103,80 |
| 25,0 | 110 | Universeel 19 | 542.2502 | 105,84 |
| 26,0 | 110 | Universeel 19 | 542.2602 | 115,14 |
| 27,0 | 110 | Universeel 19 | 542.2702 | 117,24 |
| 28,0 | 110 | Universeel 19 | 542.2802 | 120,24 |

20.1180N

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating. Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 29,0 | 110 | Universeel 19 | 542.2902 | 123,30 |
| 30,0 | 110 | Universeel 19 | 542.3002 | 127,65 |
| 32,0 | 110 | Universeel 19 | 542.3202 | 140,55 |
| 33,0 | 110 | Universeel 19 | 542.3302 | 143,25 |
| 35,0 | 110 | Universeel 19 | 542.3502 | 143,94 |
| 36,0 | 110 | Universeel 19 | 542.3602 | 164,55 |
| 38,0 | 110 | Universeel 19 | 542.3802 | 190,80 |
| 40,0 | 110 | Universeel 19 | 542.4002 | 207,60 |
| 45,0 | 110 | Universeel 19 | 542.4502 | 239,34 |
| 50,0 | 110 | Universeel 19 | 542.5002 | 286,89 |

545 Uitwerpstiften 110mm

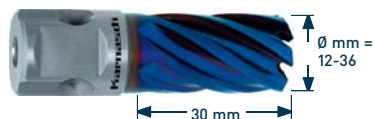


20.1399

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø7,98 x 160mm | ø18 - 50mm | 545.0032 | 11,70 |

543

ASP Kernboren Blue-Line PRO 30mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 30 | Universeel 19 | 543.1201 | 70,44 |
| 13,0 | 30 | Universeel 19 | 543.1301 | 70,44 |
| 14,0 | 30 | Universeel 19 | 543.1401 | 70,44 |
| 15,0 | 30 | Universeel 19 | 543.1501 | 76,59 |
| 16,0 | 30 | Universeel 19 | 543.1601 | 76,59 |
| 17,0 | 30 | Universeel 19 | 543.1701 | 76,59 |
| 18,0 | 30 | Universeel 19 | 543.1801 | 76,59 |
| 19,0 | 30 | Universeel 19 | 543.1901 | 76,59 |
| 20,0 | 30 | Universeel 19 | 543.2001 | 80,70 |
| 21,0 | 30 | Universeel 19 | 543.2101 | 81,24 |
| 22,0 | 30 | Universeel 19 | 543.2201 | 85,29 |
| 23,0 | 30 | Universeel 19 | 543.2301 | 89,79 |
| 24,0 | 30 | Universeel 19 | 543.2401 | 95,85 |

20.1284

Uitvoering: Uit ASP staal vervaardigde gecoate kernboor.
Toepassing: Voor het boren in de meest exotische materialen zoals; treinrails, RVS, en gelegeerd staal. Verder inzetbaar waar slijtvastheid en standtijd vereist is.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 25,0 | 30 | Universeel 19 | 543.2501 | 95,85 |
| 26,0 | 30 | Universeel 19 | 543.2601 | 109,20 |
| 27,0 | 30 | Universeel 19 | 543.2701 | 109,29 |
| 28,0 | 30 | Universeel 19 | 543.2801 | 120,69 |
| 29,0 | 30 | Universeel 19 | 543.2901 | 122,70 |
| 30,0 | 30 | Universeel 19 | 543.3001 | 125,64 |
| 30,0 | 30 | Universeel 19 | 543.3101 | 129,09 |
| 32,0 | 30 | Universeel 19 | 543.3201 | 134,55 |
| 33,0 | 30 | Universeel 19 | 543.3301 | 142,50 |
| 34,0 | 30 | Universeel 19 | 543.3401 | 142,50 |
| 35,0 | 30 | Universeel 19 | 543.3501 | 147,99 |
| 36,0 | 30 | Universeel 19 | 543.3601 | 162,39 |

545

Uitwerpstiften 30mm

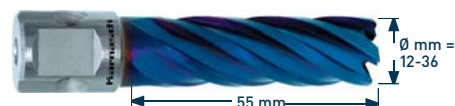


20.1261

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 77mm | ø12 - 60mm | 545.0030 | 5,40 |

543

ASP Kernboren Blue-Line PRO 55mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 55 | Universeel 19 | 543.1202 | 89,49 |
| 13,0 | 55 | Universeel 19 | 543.1302 | 89,49 |
| 14,0 | 55 | Universeel 19 | 543.1402 | 89,49 |
| 15,0 | 55 | Universeel 19 | 543.1502 | 94,74 |
| 16,0 | 55 | Universeel 19 | 543.1602 | 94,74 |
| 17,0 | 55 | Universeel 19 | 543.1702 | 94,74 |
| 18,0 | 55 | Universeel 19 | 543.1802 | 94,74 |
| 19,0 | 55 | Universeel 19 | 543.1902 | 94,74 |
| 20,0 | 55 | Universeel 19 | 543.2002 | 100,80 |
| 21,0 | 55 | Universeel 19 | 543.2102 | 104,64 |
| 22,0 | 55 | Universeel 19 | 543.2202 | 106,65 |
| 23,0 | 55 | Universeel 19 | 543.2302 | 111,60 |
| 24,0 | 55 | Universeel 19 | 543.2402 | 120,69 |

20.1317

Uitvoering: Uit ASP staal vervaardigde gecoate kernboor.
Toepassing: Voor het boren in de meest exotische materialen zoals; treinrails, RVS, en gelegeerd staal. Verder inzetbaar waar slijtvastheid en standtijd vereist is.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 25,0 | 55 | Universeel 19 | 543.2502 | 120,69 |
| 26,0 | 55 | Universeel 19 | 543.2602 | 130,44 |
| 27,0 | 55 | Universeel 19 | 543.2702 | 135,90 |
| 28,0 | 55 | Universeel 19 | 543.2802 | 152,79 |
| 29,0 | 55 | Universeel 19 | 543.2902 | 155,04 |
| 30,0 | 55 | Universeel 19 | 543.3002 | 157,35 |
| 30,0 | 55 | Universeel 19 | 543.3102 | 161,34 |
| 32,0 | 55 | Universeel 19 | 543.3202 | 168,75 |
| 33,0 | 55 | Universeel 19 | 543.3302 | 179,34 |
| 34,0 | 55 | Universeel 19 | 543.3402 | 179,34 |
| 35,0 | 55 | Universeel 19 | 543.3502 | 187,29 |
| 36,0 | 55 | Universeel 19 | 543.3602 | 205,95 |

545

Uitwerpstiften 55mm

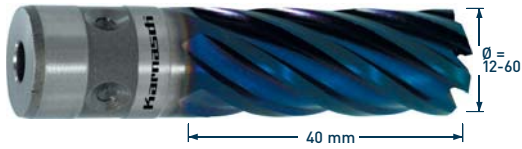


20.1271

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø6,34 x 102mm | ø12 - 60mm | 545.0031 | 6,24 |

544

ASP Kernboren Blue-Line PRO (FEIN / Quick-In) 40mm



20.1146

Uitvoering: HSSXE-speciaalstalen kernboren voorzien van Dura Blue-Coating. Extreem hard en glad slijtvast oppervlak. Door speciale tandgeometrie: goede spaanafvoer naar boven, direct zelfcentrerend, rustig aanboren en een zeer hoge standtijd! Fein aansluiting.

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 12,0 | 40 | Quick-In 18 | 544.0120 | 38,64 |
| 13,0 | 40 | Quick-In 18 | 544.0130 | 38,64 |
| 14,0 | 40 | Quick-In 18 | 544.0140 | 39,09 |
| 15,0 | 40 | Quick-In 18 | 544.0150 | 39,09 |
| 16,0 | 40 | Quick-In 18 | 544.0160 | 39,69 |
| 17,0 | 40 | Quick-In 18 | 544.0170 | 39,69 |
| 18,0 | 40 | Quick-In 18 | 544.0180 | 41,25 |
| 19,0 | 40 | Quick-In 18 | 544.0190 | 41,25 |
| 20,0 | 40 | Quick-In 18 | 544.0200 | 42,75 |
| 21,0 | 40 | Quick-In 18 | 544.0210 | 42,75 |
| 22,0 | 40 | Quick-In 18 | 544.0220 | 47,79 |
| 23,0 | 40 | Quick-In 18 | 544.0230 | 48,90 |
| 24,0 | 40 | Quick-In 18 | 544.0240 | 50,34 |
| 25,0 | 40 | Quick-In 18 | 544.0250 | 50,34 |
| 26,0 | 40 | Quick-In 18 | 544.0260 | 52,74 |
| 27,0 | 40 | Quick-In 18 | 544.0270 | 52,89 |
| 28,0 | 40 | Quick-In 18 | 544.0280 | 55,95 |
| 29,0 | 40 | Quick-In 18 | 544.0290 | 55,95 |
| 30,0 | 40 | Quick-In 18 | 544.0300 | 58,05 |
| 31,0 | 40 | Quick-In 18 | 544.0310 | 58,05 |
| 32,0 | 40 | Quick-In 18 | 544.0320 | 60,39 |
| 33,0 | 40 | Quick-In 18 | 544.0330 | 60,39 |
| 34,0 | 40 | Quick-In 18 | 544.0340 | 62,94 |
| 35,0 | 40 | Quick-In 18 | 544.0350 | 62,94 |
| 36,0 | 40 | Quick-In 18 | 544.0360 | 69,84 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-------------|----------|--------|
| 37,0 | 40 | Quick-In 18 | 544.0370 | 86,64 |
| 38,0 | 40 | Quick-In 18 | 544.0380 | 90,90 |
| 39,0 | 40 | Quick-In 18 | 544.0390 | 90,90 |
| 40,0 | 40 | Quick-In 18 | 544.0400 | 97,50 |
| 41,0 | 40 | Quick-In 18 | 544.0410 | 97,50 |
| 42,0 | 40 | Quick-In 18 | 544.0420 | 102,99 |
| 43,0 | 40 | Quick-In 18 | 544.0430 | 102,99 |
| 44,0 | 40 | Quick-In 18 | 544.0440 | 110,79 |
| 45,0 | 40 | Quick-In 18 | 544.0450 | 110,79 |
| 46,0 | 40 | Quick-In 18 | 544.0460 | 116,79 |
| 47,0 | 40 | Quick-In 18 | 544.0470 | 116,85 |
| 48,0 | 40 | Quick-In 18 | 544.0480 | 122,04 |
| 49,0 | 40 | Quick-In 18 | 544.0490 | 122,04 |
| 50,0 | 40 | Quick-In 18 | 544.0500 | 128,64 |
| 51,0 | 40 | Quick-In 18 | 544.0510 | 128,64 |
| 52,0 | 40 | Quick-In 18 | 544.0520 | 137,70 |
| 53,0 | 40 | Quick-In 18 | 544.0530 | 141,00 |
| 54,0 | 40 | Quick-In 18 | 544.0540 | 144,39 |
| 55,0 | 40 | Quick-In 18 | 544.0550 | 147,54 |
| 56,0 | 40 | Quick-In 18 | 544.0560 | 152,04 |
| 57,0 | 40 | Quick-In 18 | 544.0570 | 156,24 |
| 58,0 | 40 | Quick-In 18 | 544.0580 | 159,39 |
| 59,0 | 40 | Quick-In 18 | 544.0590 | 163,59 |
| 60,0 | 40 | Quick-In 18 | 544.0600 | 167,94 |

545

Uitwerpstiften 40mm



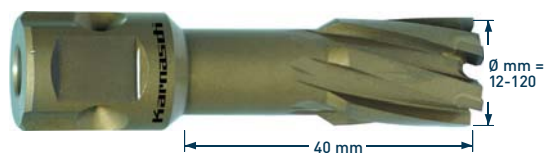
20.1388

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 90mm | ø12 - 60mm | 545.0035 | 6,54 |

546

HM Kernboren Hard-Line 40mm

Karnasch
GERMANY



20.1315N

Uitvoering: HM kernboor, konische spiraal in de wand, voor een optimale spaanafvoer. Vastlopen is hierdoor vrijwel uitgesloten. De speciale geometrie zorgt ervoor dat de belasting per tand met 1/3 is gereduceerd, daardoor lichter/rustiger boren en langere standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten. Ook voor moeilijk verspanbare materialen.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 40 | Universeel 19 | 546.1200 | 50,04 |
| 13,0 | 40 | Universeel 19 | 546.1300 | 50,04 |
| 14,0 | 40 | Universeel 19 | 546.1400 | 52,95 |
| 15,0 | 40 | Universeel 19 | 546.1500 | 52,95 |
| 16,0 | 40 | Universeel 19 | 546.1600 | 52,95 |
| 17,0 | 40 | Universeel 19 | 546.1700 | 52,95 |
| 18,0 | 40 | Universeel 19 | 546.1800 | 52,95 |
| 19,0 | 40 | Universeel 19 | 546.1900 | 52,95 |
| 20,0 | 40 | Universeel 19 | 546.2000 | 52,95 |
| 21,0 | 40 | Universeel 19 | 546.2100 | 54,45 |
| 22,0 | 40 | Universeel 19 | 546.2200 | 54,45 |
| 23,0 | 40 | Universeel 19 | 546.2300 | 54,45 |
| 24,0 | 40 | Universeel 19 | 546.2400 | 54,45 |
| 25,0 | 40 | Universeel 19 | 546.2500 | 54,45 |
| 26,0 | 40 | Universeel 19 | 546.2600 | 57,45 |
| 27,0 | 40 | Universeel 19 | 546.2700 | 57,54 |
| 28,0 | 40 | Universeel 19 | 546.2800 | 57,54 |
| 29,0 | 40 | Universeel 19 | 546.2900 | 57,54 |
| 30,0 | 40 | Universeel 19 | 546.3000 | 57,54 |
| 31,0 | 40 | Universeel 19 | 546.3100 | 67,95 |
| 32,0 | 40 | Universeel 19 | 546.3200 | 67,95 |
| 33,0 | 40 | Universeel 19 | 546.3300 | 67,95 |
| 33,0 | 40 | Universeel 19 | 546.3400 | 67,95 |
| 35,0 | 40 | Universeel 19 | 546.3500 | 67,95 |
| 36,0 | 40 | Universeel 19 | 546.3600 | 77,70 |
| 37,0 | 40 | Universeel 19 | 546.3700 | 77,79 |
| 38,0 | 40 | Universeel 19 | 546.3800 | 77,79 |
| 39,0 | 40 | Universeel 19 | 546.3900 | 77,79 |
| 40,0 | 40 | Universeel 19 | 546.4000 | 77,79 |
| 41,0 | 40 | Universeel 19 | 546.4100 | 93,90 |
| 42,0 | 40 | Universeel 19 | 546.4200 | 93,90 |
| 43,0 | 40 | Universeel 19 | 546.4300 | 93,90 |
| 44,0 | 40 | Universeel 19 | 546.4400 | 93,90 |
| 45,0 | 40 | Universeel 19 | 546.4500 | 93,90 |
| 46,0 | 40 | Universeel 19 | 546.4600 | 100,65 |
| 47,0 | 40 | Universeel 19 | 546.4700 | 100,65 |
| 48,0 | 40 | Universeel 19 | 546.4800 | 100,65 |
| 49,0 | 40 | Universeel 19 | 546.4900 | 100,65 |
| 50,0 | 40 | Universeel 19 | 546.5000 | 106,59 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 51,0 | 40 | Universeel 19 | 546.5100 | 115,65 |
| 52,0 | 40 | Universeel 19 | 546.5200 | 118,44 |
| 53,0 | 40 | Universeel 19 | 546.5300 | 121,95 |
| 54,0 | 40 | Universeel 19 | 546.5400 | 126,00 |
| 55,0 | 40 | Universeel 19 | 546.5500 | 128,70 |
| 56,0 | 40 | Universeel 19 | 546.5600 | 133,29 |
| 57,0 | 40 | Universeel 19 | 546.5700 | 136,44 |
| 58,0 | 40 | Universeel 19 | 546.5800 | 138,99 |
| 59,0 | 40 | Universeel 19 | 546.5900 | 141,45 |
| 60,0 | 40 | Universeel 19 | 546.6000 | 143,85 |
| 61,0 | 40 | Universeel 19 | 546.6100 | 148,20 |
| 62,0 | 40 | Universeel 19 | 546.6200 | 153,45 |
| 63,0 | 40 | Universeel 19 | 546.6300 | 159,15 |
| 64,0 | 40 | Universeel 19 | 546.6400 | 164,40 |
| 65,0 | 40 | Universeel 19 | 546.6500 | 169,74 |
| 66,0 | 40 | Weldon 32 | 546.6600 | 163,44 |
| 67,0 | 40 | Weldon 32 | 546.6700 | 167,19 |
| 68,0 | 40 | Weldon 32 | 546.6800 | 170,55 |
| 69,0 | 40 | Weldon 32 | 546.6900 | 173,10 |
| 70,0 | 40 | Weldon 32 | 546.7000 | 178,20 |
| 71,0 | 40 | Weldon 32 | 546.7100 | 180,45 |
| 72,0 | 40 | Weldon 32 | 546.7200 | 183,09 |
| 73,0 | 40 | Weldon 32 | 546.7300 | 185,49 |
| 74,0 | 40 | Weldon 32 | 546.7400 | 187,50 |
| 75,0 | 40 | Weldon 32 | 546.7500 | 189,09 |
| 76,0 | 40 | Weldon 32 | 546.7600 | 191,79 |
| 77,0 | 40 | Weldon 32 | 546.7700 | 194,85 |
| 78,0 | 40 | Weldon 32 | 546.7800 | 197,34 |
| 79,0 | 40 | Weldon 32 | 546.7900 | 200,49 |
| 80,0 | 40 | Weldon 32 | 546.8000 | 202,89 |
| 85,0 | 40 | Weldon 32 | 546.8500 | 227,70 |
| 90,0 | 40 | Weldon 32 | 546.9000 | 262,95 |
| 95,0 | 40 | Weldon 32 | 546.9500 | 302,49 |
| 100,0 | 40 | Weldon 32 | 546.9501 | 338,19 |
| 105,0 | 40 | Weldon 32 | 546.9505 | 383,94 |
| 110,0 | 40 | Weldon 32 | 546.9510 | 424,29 |
| 115,0 | 40 | Weldon 32 | 546.9515 | 476,64 |
| 120,0 | 40 | Weldon 32 | 546.9520 | 531,09 |

545

Uitwerpstiften 40mm

Karnasch
GERMANY

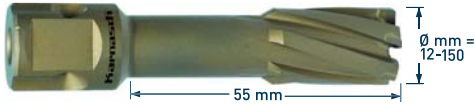


20.1149

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 90mm | ø12 - 17mm | 545.0035 | 6,54 |
| ø7,98 x 90mm | ø18 - 65mm | 545.0051 | 6,60 |

547

HM Kernboren Hard-Line 55mm



20.1316N

Uitvoering: HM kernboor, konische spiraal in de wand, voor een optimale spaanafvoer. Vastlopen is hierdoor vrijwel uitgesloten. De speciale geometrie zorgt ervoor dat de belasting per tand met 1/3 is gereduceerd, daardoor lichter/rustiger boren en langere standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten. Ook voor moeilijk verspanbare materialen.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 12,0 | 55 | Universeel 19 | 547.1200 | 58,59 |
| 13,0 | 55 | Universeel 19 | 547.1300 | 58,59 |
| 14,0 | 55 | Universeel 19 | 547.1400 | 58,59 |
| 15,0 | 55 | Universeel 19 | 547.1500 | 58,59 |
| 16,0 | 55 | Universeel 19 | 547.1600 | 58,59 |
| 17,0 | 55 | Universeel 19 | 547.1700 | 58,59 |
| 18,0 | 55 | Universeel 19 | 547.1800 | 58,59 |
| 19,0 | 55 | Universeel 19 | 547.1900 | 58,59 |
| 20,0 | 55 | Universeel 19 | 547.2000 | 58,59 |
| 21,0 | 55 | Universeel 19 | 547.2100 | 60,39 |
| 22,0 | 55 | Universeel 19 | 547.2200 | 60,39 |
| 23,0 | 55 | Universeel 19 | 547.2300 | 60,39 |
| 24,0 | 55 | Universeel 19 | 547.2400 | 60,39 |
| 25,0 | 55 | Universeel 19 | 547.2500 | 60,39 |
| 26,0 | 55 | Universeel 19 | 547.2600 | 63,99 |
| 27,0 | 55 | Universeel 19 | 547.2700 | 64,05 |
| 28,0 | 55 | Universeel 19 | 547.2800 | 64,05 |
| 29,0 | 55 | Universeel 19 | 547.2900 | 64,05 |
| 30,0 | 55 | Universeel 19 | 547.3000 | 64,05 |
| 31,0 | 55 | Universeel 19 | 547.3100 | 75,30 |
| 32,0 | 55 | Universeel 19 | 547.3200 | 75,30 |
| 33,0 | 55 | Universeel 19 | 547.3300 | 75,30 |
| 34,0 | 55 | Universeel 19 | 547.3400 | 75,30 |
| 35,0 | 55 | Universeel 19 | 547.3500 | 75,30 |
| 36,0 | 55 | Universeel 19 | 547.3600 | 85,95 |
| 37,0 | 55 | Universeel 19 | 547.3700 | 86,10 |
| 38,0 | 55 | Universeel 19 | 547.3800 | 86,10 |
| 39,0 | 55 | Universeel 19 | 547.3900 | 86,10 |
| 40,0 | 55 | Universeel 19 | 547.4000 | 86,10 |
| 41,0 | 55 | Universeel 19 | 547.4100 | 103,89 |
| 42,0 | 55 | Universeel 19 | 547.4200 | 103,89 |
| 43,0 | 55 | Universeel 19 | 547.4300 | 103,89 |
| 44,0 | 55 | Universeel 19 | 547.4400 | 103,89 |
| 45,0 | 55 | Universeel 19 | 547.4500 | 103,89 |
| 46,0 | 55 | Universeel 19 | 547.4600 | 111,69 |
| 47,0 | 55 | Universeel 19 | 547.4700 | 111,69 |
| 48,0 | 55 | Universeel 19 | 547.4800 | 111,69 |
| 49,0 | 55 | Universeel 19 | 547.4900 | 111,69 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|---------|
| 50,0 | 55 | Universeel 19 | 547.5000 | 118,20 |
| 51,0 | 55 | Universeel 19 | 547.5100 | 128,25 |
| 52,0 | 55 | Universeel 19 | 547.5200 | 131,25 |
| 53,0 | 55 | Universeel 19 | 547.5300 | 135,24 |
| 54,0 | 55 | Universeel 19 | 547.5400 | 139,74 |
| 55,0 | 55 | Universeel 19 | 547.5500 | 142,74 |
| 56,0 | 55 | Universeel 19 | 547.5600 | 147,84 |
| 57,0 | 55 | Universeel 19 | 547.5700 | 151,35 |
| 58,0 | 55 | Universeel 19 | 547.5800 | 154,14 |
| 59,0 | 55 | Universeel 19 | 547.5900 | 156,84 |
| 60,0 | 55 | Universeel 19 | 547.6000 | 159,54 |
| 61,0 | 55 | Weldon 32 | 547.6100 | 158,79 |
| 62,0 | 55 | Weldon 32 | 547.6200 | 164,34 |
| 63,0 | 55 | Weldon 32 | 547.6300 | 170,40 |
| 64,0 | 55 | Weldon 32 | 547.6400 | 175,95 |
| 65,0 | 55 | Weldon 32 | 547.6500 | 181,74 |
| 66,0 | 55 | Weldon 32 | 547.6600 | 188,79 |
| 67,0 | 55 | Weldon 32 | 547.6700 | 192,84 |
| 68,0 | 55 | Weldon 32 | 547.6800 | 196,65 |
| 69,0 | 55 | Weldon 32 | 547.6900 | 199,80 |
| 70,0 | 55 | Weldon 32 | 547.7000 | 205,74 |
| 75,0 | 55 | Weldon 32 | 547.7500 | 219,09 |
| 80,0 | 55 | Weldon 32 | 547.8000 | 234,30 |
| 85,0 | 55 | Weldon 32 | 547.8500 | 262,65 |
| 90,0 | 55 | Weldon 32 | 547.9000 | 303,99 |
| 95,0 | 55 | Weldon 32 | 547.9500 | 348,09 |
| 100,0 | 55 | Weldon 32 | 547.9501 | 389,49 |
| 105,0 | 55 | Weldon 32 | 547.9505 | 453,00 |
| 110,0 | 55 | Weldon 32 | 547.9510 | 500,64 |
| 115,0 | 55 | Weldon 32 | 547.9515 | 562,44 |
| 120,0 | 55 | Weldon 32 | 547.9520 | 626,64 |
| 125,0 | 55 | Weldon 32 | 547.9525 | 696,60 |
| 130,0 | 55 | Weldon 32 | 547.9530 | 766,05 |
| 135,0 | 55 | Weldon 32 | 547.9535 | 836,04 |
| 140,0 | 55 | Weldon 32 | 547.9540 | 910,80 |
| 145,0 | 55 | Weldon 32 | 547.9545 | 983,10 |
| 150,0 | 55 | Weldon 32 | 547.9550 | 1060,59 |

545

Uitwerpstiften 55mm



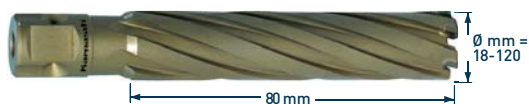
Ø 12-17 mm

20.1271

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø6,34 x 102mm | ø12 - 17mm | 545.0031 | 6,24 |
| ø7,98 x 105mm | ø18 - 60mm | 545.0053 | 10,29 |
| ø7,98 x 118mm | ø61 - 150mm | 545.0054 | 11,40 |

547

HM Kernboren Hard-Line 80mm



20.1650N

Uitvoering: HM kernboor, konische spiraal in de wand, voor een optimale spaanafvoer. Vastlopen is hierdoor vrijwel uitgesloten. De speciale geometrie zorgt ervoor dat de belasting per tand met 1/3 is gereduceerd, daardoor lichter/rustiger boren en langere standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten. Ook voor moeilijk verspanbare materialen.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 18,0 | 80 | Universeel 19 | 547.1801 | 96,69 |
| 19,0 | 80 | Universeel 19 | 547.1901 | 96,69 |
| 20,0 | 80 | Universeel 19 | 547.2001 | 96,69 |
| 21,0 | 80 | Universeel 19 | 547.2101 | 96,69 |
| 22,0 | 80 | Universeel 19 | 547.2201 | 96,69 |
| 23,0 | 80 | Universeel 19 | 547.2301 | 96,69 |
| 24,0 | 80 | Universeel 19 | 547.2401 | 96,69 |
| 25,0 | 80 | Universeel 19 | 547.2501 | 96,69 |
| 26,0 | 80 | Universeel 19 | 547.2601 | 105,39 |
| 27,0 | 80 | Universeel 19 | 547.2701 | 105,39 |
| 28,0 | 80 | Universeel 19 | 547.2801 | 105,39 |
| 29,0 | 80 | Universeel 19 | 547.2901 | 105,39 |
| 30,0 | 80 | Universeel 19 | 547.3001 | 105,39 |
| 31,0 | 80 | Universeel 19 | 547.3101 | 127,29 |
| 32,0 | 80 | Universeel 19 | 547.3201 | 127,29 |
| 33,0 | 80 | Universeel 19 | 547.3301 | 127,29 |
| 34,0 | 80 | Universeel 19 | 547.3401 | 127,29 |
| 35,0 | 80 | Universeel 19 | 547.3501 | 127,29 |
| 36,0 | 80 | Universeel 19 | 547.3601 | 145,20 |
| 37,0 | 80 | Universeel 19 | 547.3701 | 145,20 |
| 38,0 | 80 | Universeel 19 | 547.3801 | 145,20 |
| 39,0 | 80 | Universeel 19 | 547.3901 | 145,20 |
| 40,0 | 80 | Universeel 19 | 547.4001 | 145,20 |
| 41,0 | 80 | Universeel 19 | 547.4101 | 175,50 |
| 42,0 | 80 | Universeel 19 | 547.4201 | 175,50 |
| 43,0 | 80 | Universeel 19 | 547.4301 | 175,50 |
| 44,0 | 80 | Universeel 19 | 547.4401 | 175,50 |
| 45,0 | 80 | Universeel 19 | 547.4501 | 175,50 |
| 46,0 | 80 | Universeel 19 | 547.4601 | 200,19 |
| 47,0 | 80 | Universeel 19 | 547.4701 | 200,19 |
| 48,0 | 80 | Universeel 19 | 547.4801 | 200,19 |
| 49,0 | 80 | Universeel 19 | 547.4901 | 200,19 |
| 50,0 | 80 | Universeel 19 | 547.5001 | 200,19 |
| 51,0 | 80 | Universeel 19 | 547.5101 | 198,24 |
| 52,0 | 80 | Universeel 19 | 547.5201 | 203,19 |
| 53,0 | 80 | Universeel 19 | 547.5301 | 207,45 |
| 54,0 | 80 | Universeel 19 | 547.5401 | 212,64 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 55,0 | 80 | Universeel 19 | 547.5501 | 217,35 |
| 56,0 | 80 | Universeel 19 | 547.5601 | 222,99 |
| 57,0 | 80 | Universeel 19 | 547.5701 | 227,94 |
| 58,0 | 80 | Universeel 19 | 547.5801 | 233,04 |
| 59,0 | 80 | Universeel 19 | 547.5901 | 237,45 |
| 60,0 | 80 | Universeel 19 | 547.6001 | 243,15 |
| 61,0 | 80 | Weldon 32 | 547.6101 | 245,10 |
| 62,0 | 80 | Weldon 32 | 547.6201 | 248,70 |
| 63,0 | 80 | Weldon 32 | 547.6301 | 252,99 |
| 64,0 | 80 | Weldon 32 | 547.6401 | 257,40 |
| 65,0 | 80 | Weldon 32 | 547.6501 | 262,65 |
| 66,0 | 80 | Weldon 32 | 547.6601 | 271,65 |
| 67,0 | 80 | Weldon 32 | 547.6701 | 281,04 |
| 68,0 | 80 | Weldon 32 | 547.6801 | 288,84 |
| 69,0 | 80 | Weldon 32 | 547.6901 | 295,89 |
| 70,0 | 80 | Weldon 32 | 547.7001 | 303,54 |
| 72,0 | 80 | Weldon 32 | 547.7201 | 311,10 |
| 73,0 | 80 | Weldon 32 | 547.7301 | 319,80 |
| 74,0 | 80 | Weldon 32 | 547.7401 | 328,74 |
| 75,0 | 80 | Weldon 32 | 547.7501 | 338,04 |
| 76,0 | 80 | Weldon 32 | 547.7601 | 344,25 |
| 78,0 | 80 | Weldon 32 | 547.7801 | 352,50 |
| 80,0 | 80 | Weldon 32 | 547.8001 | 361,20 |
| 82,0 | 80 | Weldon 32 | 547.8201 | 381,45 |
| 85,0 | 80 | Weldon 32 | 547.8501 | 404,85 |
| 90,0 | 80 | Weldon 32 | 547.9001 | 453,90 |
| 95,0 | 80 | Weldon 32 | 547.9501 | 389,49 |
| 100,0 | 80 | Weldon 32 | 547.9502 | 733,89 |
| 103,0 | 80 | Weldon 32 | 547.9504 | 519,15 |
| 104,0 | 80 | Weldon 32 | 547.9506 | 421,95 |
| 105,0 | 80 | Weldon 32 | 547.9507 | 437,79 |
| 106,0 | 80 | Weldon 32 | 547.9508 | 469,05 |
| 108,0 | 80 | Weldon 32 | 547.9509 | 487,44 |
| 110,0 | 80 | Weldon 32 | 547.9510 | 500,64 |
| 115,0 | 80 | Weldon 32 | 547.9515 | 562,44 |
| 120,0 | 80 | Weldon 32 | 547.9520 | 626,64 |

545

Uitwerpstiften 80mm

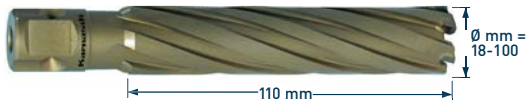


20.1439

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø7,98 x 130mm | ø18 - 50mm | 545.0034 | 10,65 |

547

HM Kernboren Hard-Line 110mm



20.1660N

Uitvoering: HM kernboor, konische spiraal in de wand, voor een optimale spaanafvoer. Vastlopen is hierdoor vrijwel uitgesloten. De speciale geometrie zorgt ervoor dat de belasting per tand met 1/3 is gereduceerd, daardoor lichter/rustiger boren en langere standtijd!

Toepassing: Voor het boren in normaal staal, maar ook in gelegerde staalsoorten. Ook voor moeilijk verspanbare materialen.

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 18,0 | 110 | Universeel 19 | 547.1802 | 123,00 |
| 19,0 | 110 | Universeel 19 | 547.1902 | 123,00 |
| 20,0 | 110 | Universeel 19 | 547.2002 | 123,00 |
| 21,0 | 110 | Universeel 19 | 547.2102 | 123,00 |
| 22,0 | 110 | Universeel 19 | 547.2202 | 123,00 |
| 23,0 | 110 | Universeel 19 | 547.2302 | 123,00 |
| 24,0 | 110 | Universeel 19 | 547.2402 | 123,00 |
| 25,0 | 110 | Universeel 19 | 547.2502 | 123,00 |
| 26,0 | 110 | Universeel 19 | 547.2602 | 134,10 |
| 27,0 | 110 | Universeel 19 | 547.2702 | 134,10 |
| 28,0 | 110 | Universeel 19 | 547.2802 | 134,10 |
| 29,0 | 110 | Universeel 19 | 547.2902 | 134,10 |
| 30,0 | 110 | Universeel 19 | 547.3002 | 134,10 |
| 32,0 | 110 | Universeel 19 | 547.3202 | 161,55 |
| 33,0 | 110 | Universeel 19 | 547.3302 | 161,55 |
| 35,0 | 110 | Universeel 19 | 547.3502 | 161,55 |
| 36,0 | 110 | Universeel 19 | 547.3602 | 185,04 |

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|---------------|----------|--------|
| 38,0 | 110 | Universeel 19 | 547.3802 | 185,04 |
| 40,0 | 110 | Universeel 19 | 547.4002 | 185,04 |
| 45,0 | 110 | Universeel 19 | 547.4502 | 223,35 |
| 50,0 | 110 | Universeel 19 | 547.5002 | 254,40 |
| 55,0 | 110 | Weldon 32 | 547.5502 | 269,79 |
| 57,0 | 110 | Weldon 32 | 547.5702 | 308,64 |
| 60,0 | 110 | Weldon 32 | 547.6002 | 325,14 |
| 64,0 | 110 | Weldon 32 | 547.6402 | 371,25 |
| 65,0 | 110 | Weldon 32 | 547.6502 | 383,34 |
| 67,0 | 110 | Weldon 32 | 547.6702 | 407,55 |
| 70,0 | 110 | Weldon 32 | 547.7002 | 433,80 |
| 75,0 | 110 | Weldon 32 | 547.7502 | 462,30 |
| 80,0 | 110 | Weldon 32 | 547.8002 | 494,40 |
| 85,0 | 110 | Weldon 32 | 547.8502 | 554,04 |
| 90,0 | 110 | Weldon 32 | 547.9002 | 641,70 |
| 95,0 | 110 | Weldon 32 | 547.9502 | 733,89 |
| 100,0 | 110 | Weldon 32 | 547.9503 | 822,09 |

545

Uitwerpstiften 110mm

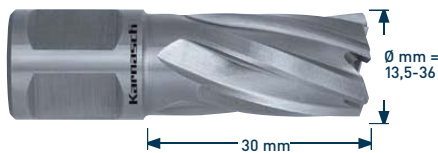


20.1399

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø7,98 x 160mm | ø18 - 50mm | 545.0032 | 11,70 |
| ø7,98 x 167mm | ø55 - 100mm | 545.0041 | 11,94 |

548

HSS-XE Kernboren Rail-Line 30mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------------|
| 13,5 | 30 | Weldon 19 | 548.0135 | 37,74 |
| 16,0 | 30 | Weldon 19 | 548.0160 | 39,15 |
| 17,0 | 30 | Weldon 19 | 548.0170 | 39,15 |
| 18,0 | 30 | Weldon 19 | 548.0180 | 39,15 |
| 19,0 | 30 | Weldon 19 | 548.0190 | 39,15 |
| 20,0 | 30 | Weldon 19 | 548.0200 | 44,55 |
| 21,0 | 30 | Weldon 19 | 548.0210 | 44,55 |
| 22,0 | 30 | Weldon 19 | 548.0220 | 52,89 |
| 23,0 | 30 | Weldon 19 | 548.0230 | 52,89 |
| 24,0 | 30 | Weldon 19 | 548.0240 | 54,90 |
| 25,0 | 30 | Weldon 19 | 548.0250 | 54,90 |

20.1460

Uitvoering: Kernboor uit hooggelegeerd HSS-XE speciaalstaal welke in tredes gehard wordt waardoor de tanden extreem hard (tot ca. 68HRC) en slijtvast zijn en de boor als geheel toch nog de nodige taaheid heeft.

Toepassing: Speciaal voor het boren in treinrails. Voor alle rail-types tot 1.100 N/mm² (UIC 60). Meer dan 60 boringen in UIC 60 rails mogelijk!

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------------|
| 26,0 | 30 | Weldon 19 | 548.0260 | 58,20 |
| 27,0 | 30 | Weldon 19 | 548.0270 | 58,20 |
| 28,0 | 30 | Weldon 19 | 548.0280 | 62,64 |
| 29,0 | 30 | Weldon 19 | 548.0290 | 62,64 |
| 30,0 | 30 | Weldon 19 | 548.0300 | 65,70 |
| 31,0 | 30 | Weldon 19 | 548.0310 | 65,70 |
| 32,0 | 30 | Weldon 19 | 548.0320 | 68,70 |
| 33,0 | 30 | Weldon 19 | 548.0330 | 68,70 |
| 34,0 | 30 | Weldon 19 | 548.0340 | 72,39 |
| 35,0 | 30 | Weldon 19 | 548.0350 | 72,39 |
| 36,0 | 30 | Weldon 19 | 548.0360 | 82,05 |

545

Uitwerpstiften 30mm



20.1261

Uitvoering: Uitwerpstiften voor de HSS-XE kernboren Rail-Line 30mm.

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|-------------|
| ø6,34 x 77mm | ø18 - 36mm | 545.0030 | 5,40 |

548

HSS-XE Kernboren Rail-Line 55mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------------|
| 18,0 | 30 | Weldon 19 | 548.0181 | 48,00 |
| 19,0 | 30 | Weldon 19 | 548.0191 | 48,00 |
| 20,0 | 30 | Weldon 19 | 548.0201 | 50,55 |
| 21,0 | 30 | Weldon 19 | 548.0211 | 50,55 |
| 22,0 | 30 | Weldon 19 | 548.0221 | 60,00 |
| 23,0 | 30 | Weldon 19 | 548.0231 | 60,00 |
| 24,0 | 30 | Weldon 19 | 548.0241 | 62,19 |
| 25,0 | 30 | Weldon 19 | 548.0251 | 62,19 |
| 26,0 | 30 | Weldon 19 | 548.0261 | 66,00 |
| 27,0 | 30 | Weldon 19 | 548.0271 | 65,94 |

20.1480

Uitvoering: Kernboor uit hooggelegeerd HSS-XE speciaalstaal welke in tredes gehard wordt waardoor de tanden extreem hard (tot ca. 68HRC) en slijtvast zijn en de boor als geheel toch nog de nodige taaheid heeft.

Toepassing: Speciaal voor het boren in treinrails. Voor alle rail-types tot 1.100 N/mm² (UIC 60). Meer dan 60 boringen in UIC 60 rails mogelijk!

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------------|
| 28,0 | 30 | Weldon 19 | 548.0281 | 71,04 |
| 29,0 | 30 | Weldon 19 | 548.0291 | 71,04 |
| 30,0 | 30 | Weldon 19 | 548.0301 | 74,49 |
| 31,0 | 30 | Weldon 19 | 548.0311 | 74,49 |
| 32,0 | 30 | Weldon 19 | 548.0321 | 77,85 |
| 33,0 | 30 | Weldon 19 | 548.0331 | 77,85 |
| 34,0 | 30 | Weldon 19 | 548.0341 | 82,05 |
| 35,0 | 30 | Weldon 19 | 548.0351 | 82,05 |
| 36,0 | 30 | Weldon 19 | 548.0361 | 93,09 |

545

Uitwerpstiften 55mm



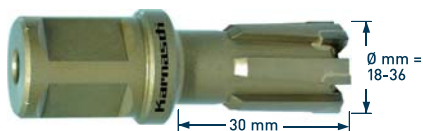
20.1271

Uitvoering: Uitwerpstiften voor de HSS-XE kernboren Rail-Line 55mm.

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|-------------|
| ø6,34 x 102mm | ø18 - 36mm | 545.0031 | 6,24 |

548

HM Kernboren Rail-Line 30mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 18,0 | 30 | Weldon 19 | 548.1800 | 73,78 |
| 19,0 | 30 | Weldon 19 | 548.1900 | 73,78 |
| 22,0 | 30 | Weldon 19 | 548.2200 | 71,40 |
| 23,0 | 30 | Weldon 19 | 548.2300 | 71,40 |
| 24,0 | 30 | Weldon 19 | 548.2400 | 71,40 |
| 25,0 | 30 | Weldon 19 | 548.2500 | 71,40 |
| 26,0 | 30 | Weldon 19 | 548.2600 | 81,16 |
| 27,0 | 30 | Weldon 19 | 548.2700 | 78,54 |

20.1306

Uitvoering: HM kernboor, konische spiraal in de wand, voor een optimale spaanafvoer. Vastlopen is hierdoor vrijwel uitgesloten. De speciale geometrie zorgt ervoor dat de belasting per tand met 1/3 is gereduceerd, daardoor lichter/rustiger boren en langere standtijd!

Toepassing: Speciaal voor het boren in treinrails. Voor alle rail-types tot 1.100 N/mm² (UIC 60). Meer dan 100 gaten in UIC 60 rails mogelijk!

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 28,0 | 30 | Weldon 19 | 548.2800 | 78,54 |
| 30,0 | 30 | Weldon 19 | 548.3000 | 78,54 |
| 31,0 | 30 | Weldon 19 | 548.3100 | 87,45 |
| 32,0 | 30 | Weldon 19 | 548.3200 | 87,45 |
| 33,0 | 30 | Weldon 19 | 548.3300 | 87,45 |
| 34,0 | 30 | Weldon 19 | 548.3400 | 87,45 |
| 35,0 | 30 | Weldon 19 | 548.3500 | 87,45 |
| 36,0 | 30 | Weldon 19 | 548.3600 | 94,35 |

545

Uitwerpstiften 30mm



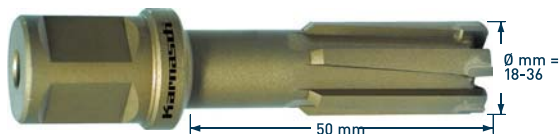
20.1261

Uitvoering: Uitwerpstiften voor de HM kernboren Rail-Line 30mm.

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|--------------|-------------|----------|--------|
| ø6,34 x 77mm | ø18 - 36mm | 545.0030 | 5,40 |

548

HM Kernboren Rail-Line 55mm



| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 18,0 | 55 | Weldon 19 | 548.1801 | 85,44 |
| 19,0 | 55 | Weldon 19 | 548.1901 | 85,44 |
| 22,0 | 55 | Weldon 19 | 548.2201 | 85,44 |
| 23,0 | 55 | Weldon 19 | 548.2301 | 85,44 |
| 24,0 | 55 | Weldon 19 | 548.2401 | 85,44 |
| 25,0 | 55 | Weldon 19 | 548.2501 | 85,44 |
| 26,0 | 55 | Weldon 19 | 548.2601 | 93,39 |
| 27,0 | 55 | Weldon 19 | 548.2701 | 93,39 |

20.1309

Uitvoering: HM kernboor, konische spiraal in de wand, voor een optimale spaanafvoer. Vastlopen is hierdoor vrijwel uitgesloten. De speciale geometrie zorgt ervoor dat de belasting per tand met 1/3 is gereduceerd, daardoor lichter/rustiger boren en langere standtijd!

Toepassing: Speciaal voor het boren in treinrails. Voor alle rail-types tot 1.100 N/mm² (UIC 60). Meer dan 100 gaten in UIC 60 rails mogelijk!

| Diameter (mm) | Snijdiepte (mm) | Opname | Art.nr. | € / st |
|---------------|-----------------|-----------|----------|--------|
| 28,0 | 55 | Weldon 19 | 548.2801 | 93,39 |
| 30,0 | 55 | Weldon 19 | 548.3001 | 93,39 |
| 31,0 | 55 | Weldon 19 | 548.3101 | 103,20 |
| 32,0 | 55 | Weldon 19 | 548.3201 | 103,20 |
| 33,0 | 55 | Weldon 19 | 548.3301 | 103,20 |
| 34,0 | 55 | Weldon 19 | 548.3401 | 103,20 |
| 35,0 | 55 | Weldon 19 | 548.3501 | 103,20 |
| 36,0 | 55 | Weldon 19 | 548.3601 | 111,69 |

545

Uitwerpstiften 55mm



20.1271

Uitvoering: Uitwerpstiften voor de HM kernboren Rail-Line 55mm.

| Afmetingen | Bereik (mm) | Art.nr. | € / st |
|---------------|-------------|----------|--------|
| ø6,34 x 102mm | ø18 - 36mm | 545.0031 | 6,24 |

Verzinkfrezes



20.1295

Uitvoering: De verzinkfrezes zijn voorzien van een Weldon 19 mm opname.

| Diameter (mm) | Totaallengte | Opname | Art.nr. | € / st |
|---------------|--------------|-----------|----------|--------|
| 25 | 43 | Weldon 19 | 545.1025 | 31,59 |
| 30 | 47 | Weldon 19 | 545.1030 | 39,75 |
| 40 | 52 | Weldon 19 | 545.1040 | 56,85 |
| 55 | 63 | Weldon 19 | 545.1055 | 105,90 |

Snijpasta



Uitvoering: Kernborenpasta met extreme smeereigenschappen. De pasta nestelt zich perfect op de snijhoeken en wordt vloeibaar tijdens gebruik (gereedschap in pasta dopen). Chloorvrij en milieuvriendelijk!

Toepassing: Ideaal bij tappen, draadsnijden, ruimen, zagen en kernboren in moeilijke materialen zoals: Titaan, Chroom-Nikkel-Legeringen, roest en hittebestendig staal.

| Omschrijving | Art.nr. | € / st |
|---|----------|--------------|
| Blik snijpasta à 250gr. Netto inhoud | 901.4045 | 11,75 |
| Blik snijpasta à 750gr. Netto inhoud | 901.4046 | 29,50 |

Houders voor kernboren



| Opname | Afgifte | Bereik (mm) | Art.nr. | € / st |
|--------|-----------|-------------|----------|--------------|
| MK 2 | Weldon 19 | ø12 - 60mm | 545.1004 | 67,44 |
| MK 3 | Weldon 19 | ø12 - 60mm | 545.1006 | 72,39 |
| MK 3 | Weldon 32 | ø61 - 150mm | 545.1009 | 62,25 |

Houders voor kernboren "Quick-Change"



| Opname | Afgifte | Bereik (mm) | Art.nr. | € / st |
|--------|-----------|-------------|----------|---------------|
| MK 2 | Weldon 19 | ø12 - 60mm | 545.1011 | 116,70 |
| MK 3 | Weldon 19 | ø12 - 60mm | 545.1012 | 119,94 |

Houders voor kernboren met koelring



| Opname | Afgifte | Bereik (mm) | Art.nr. | € / st |
|--------|-----------|-------------|----------|---------------|
| MK 2 | Weldon 19 | ø12 - 60mm | 545.1005 | 129,09 |
| MK 3 | Weldon 19 | ø12 - 60mm | 545.1007 | 136,59 |
| MK 3 | Weldon 32 | ø61 - 150mm | 545.1008 | 153,90 |
| MK 4 | Weldon 32 | ø61 - 150mm | 545.1010 | 143,25 |

Houders voor kernboren met koelring "Quick-Change"



| Opname | Afgifte | Bereik (mm) | Art.nr. | € / st |
|--------|-----------|-------------|----------|---------------|
| MK 2 | Weldon 19 | ø12 - 60mm | 545.1013 | 158,85 |
| MK 3 | Weldon 19 | ø12 - 60mm | 545.1014 | 163,89 |

Adapter FEIN 18mm > Weldon/Universeel 19mm



20.1263

Indien er een centreerpen moet worden gebruikt, zijn de hieronder getoonde centreerpennen alleen geschikt.

| Omschrijving | Opname | Afgifte | Art.nr. | € / st |
|--------------|--------------------|-----------|----------|--------------|
| Adapter | Fein Quick-In 18mm | Weldon 19 | 545.1015 | 28,59 |



Centreerpen te gebruiken i.c.m. adapter 545.1015 voor de volgende kernboren: Silverline 25, Goldline 30, Blueline 30 ø12-60 mm. Railline 30 ø18-36 mm.

| Afmetingen | Type | Voor lengte | Art.nr. | € / st |
|---------------|---------|-------------|----------|-------------|
| ø6,34 x 102mm | 20.1271 | 25 - 30mm | 545.0031 | 6,24 |



Centreerpen te gebruiken i.c.m. adapter 545.1015 voor de volgende kernboren: Hardline 40 ø12-17 mm.

| Afmetingen | Type | Voor lengte | Art.nr. | € / st |
|---------------|---------|-------------|----------|-------------|
| ø6,34 x 116mm | 20.1318 | 40mm | 545.0055 | 6,84 |



Centreerpen te gebruiken i.c.m. adapter 545.1015 voor de volgende kernboren:
Silverline 50, Goldline 55, Blueline 55 ø12-60 mm.
Hardline 55 ø12-17 mm.
Railline 50 ø18-36 mm.

| Afmetingen | Type | Voor lengte | Art.nr. | € / st |
|---------------|---------|-------------|----------|-------------|
| ø6,34 x 130mm | 20.1160 | 50 - 55mm | 545.0033 | 7,50 |

Adapter Universal 19mm naar Weldon 19 mm

Karnasch
GERMANY



20.1311

Indien er een centreerpen moet worden gebruikt, zijn de hieronder getoonde centreerpennen alleen geschikt.

| Omschrijving | Opname | Afgifte | Art.nr. | € / st |
|--------------|---------------|-----------|----------|--------------|
| Adapter | Universeel 19 | Weldon 19 | 545.1016 | 26,64 |



Centreerpen te gebruiken i.c.m. adapter 545.1016 voor de volgende kernboren:
Silverline 25, Goldline 30, Blueline 30 ø12-60 mm.
Railline 30 ø18-36 mm.

| Afmetingen | Type | Voor lengte | Art.nr. | € / st |
|---------------|---------|-------------|----------|-------------|
| ø6,34 x 102mm | 20.1271 | 25 - 30mm | 545.0031 | 6,24 |



Centreerpen te gebruiken i.c.m. adapter 545.1016 voor de volgende kernboren:
Hardline 40 ø12-17 mm.

| Afmetingen | Type | Voor lengte | Art.nr. | € / st |
|---------------|---------|-------------|----------|-------------|
| ø6,34 x 116mm | 20.1318 | 40mm | 545.0055 | 6,84 |



Centreerpen te gebruiken i.c.m. adapter 545.1016 voor de volgende kernboren:
Silverline 50, Goldline 55, Blueline 55 ø12-60 mm.
Hardline 55 ø12-17 mm.
Railline 50 ø18-36 mm.

| Afmetingen | Type | Voor lengte | Art.nr. | € / st |
|---------------|---------|-------------|----------|-------------|
| ø6,34 x 130mm | 20.1160 | 50 - 55mm | 545.0033 | 7,50 |

Adapter 1/2" UNF voor boorkop

Karnasch
GERMANY



Uitvoering: Adapter van Weldon of Universeel naar 1/2" voor boorkop.

| Omschrijving | Opname | Afgifte | Art.nr. | € / st |
|--------------|---------------|----------|----------|--------------|
| Adapter | Weldon 19 | 1/2" UNF | 545.1020 | 42,31 |
| Adapter | Universeel 19 | 1/2" UNF | 545.1021 | 40,90 |



Technische specificaties:

- Motor verm. 1000 W
- Totaal verm. 1050 W
- Toeren 775 tpm
- Opname 19,05 mm Weldon
- Kernboren \varnothing 12 - 32 mm
- Spiraalboren \varnothing 1 - 13 mm
- L x B x H 255 x 110 x 370-512 mm
- Slag 150 mm
- Gewicht 12 kg
- Magn. LxBxH 160x80x42
- Kleefkracht 1500 kg

| Type | Art.nr. | € / st |
|---------------------------------|----------|--------|
| Kernboormachine RTC.32 + koffer | 906.0032 | 625,00 |

RTC 50 R/L



Technische specificaties:

- Motor verm. 1250 W
- Totaal verm. 1375 W
- Toeren (I) 100-280 tpm
(II) 185-530 tpm
- Opname MK2
- Kernboren \varnothing 12 - 50 mm
- Spiraalboren \varnothing 1 - 23 mm
- Tappen M3 - M20
- Verzinken \varnothing 10 - 40 mm
- L x B x H 245 x 160 x 385-550 mm
- Slag 170 mm
- Gewicht 14 kg
- Magn. LxBxH 170 x 85 x 48 mm
- Kleefkracht 1850 kg

| Type | Art.nr. | € / st |
|-------------------------------------|----------|---------|
| Kernboormachine RTC.50 R/L + koffer | 906.0050 | 1025,00 |

RTC 100 R/L



Technische specificaties:

- Motor verm. 1900 W
- Totaal verm. 2050 W
- Toeren (I) 42 - 110 tpm
(II) 65 - 190 tpm
(III) 140 - 400 tpm
(IV) 220 - 620 tpm
- Opname MK3
- Kernboren \varnothing 12 - 100 mm
- Spiraalboren \varnothing 1 - 31,75 mm
- Tappen M3 - M30
- Verzinken \varnothing 10 - 50 mm
- L x B x H 365 x 310 x 510-710 mm
- Slag 260 mm
- Gewicht 28 kg
- Magn. LxBxH 220 x 110 x 64 mm
- Kleefkracht 3000 kg

| Type | Art.nr. | € / st |
|--------------------------------------|----------|---------|
| Kernboormachine RTC.100 R/L + koffer | 906.0100 | 1425,00 |



Uitvoering: Stalen gatenpensen, met driepuntsaansnijding, met en zonder kogellager (KL).

Toepassing: Voor het snijden van staal en kunststof tot 3 mm, RVS tot 1 mm.

| Diameter (mm) | PG/MF | Schroef | Art.nr. | € / st |
|---------------|-------------|---------|----------|--------|
| 12,7 | M12/PG 7 | MF 8 | 590.1270 | 34,63 |
| 12,7 KL | M12/PG 7 | MF 8 | 590.1271 | 33,69 |
| 15,2 | PG 9 | MF 10 | 590.1520 | 34,63 |
| 15,2 KL | PG 9 | MF 10 | 590.1521 | 58,97 |
| 16,0 | - | MF 10 | 590.1600 | 34,63 |
| 16,0 KL | - | MF 10 | 590.1601 | 58,97 |
| 16,5 | M16 | MF 10 | 590.1650 | 36,24 |
| 16,5 KL | M16 | MF 10 | 590.1651 | 60,82 |
| 18,6 | PG 11 | MF 10 | 590.1860 | 38,82 |
| 18,6 KL | PG 11 | MF 10 | 590.1861 | 63,40 |
| 20,4 | M20/PG 13,5 | MF 10 | 590.2040 | 38,82 |
| 20,4 KL | M20/PG 13,5 | MF 10 | 590.2041 | 63,40 |
| 22,5 | PG 16 | MF 10 | 590.2250 | 42,41 |
| 22,5 KL | PG 16 | MF 10 | 590.2251 | 66,93 |
| 25,0 | - | MF 10 | 590.2500 | 46,59 |
| 25,0 KL | - | MF 10 | 590.2501 | 70,92 |
| 25,4 | M25 | MF 10 | 590.2540 | 46,59 |
| 25,4 KL | M25 | MF 10 | 590.2541 | 70,92 |
| 28,3 | PG 21 | MF 12 | 590.2830 | 46,59 |
| 28,3 KL | PG 21 | MF 12 | 590.2831 | 70,92 |
| 32,0 | - | MF 12 | 590.3200 | 51,68 |

| Diameter (mm) | PG/MF | Schroef | Art.nr. | € / st |
|---------------|--------|---------|----------|--------|
| 32,0 KL | - | MF 12 | 590.3201 | 76,22 |
| 32,5 | M32/PG | - | 590.3250 | 59,55 |
| 32,5 KL | M32 | MF 12 | 590.3251 | 84,03 |
| 35,0 | - | MF 12 | 590.3500 | 59,55 |
| 35,0 KL | - | MF 12 | 590.3501 | 84,03 |
| 37,0 | PG 29 | MF 12 | 590.3700 | 59,55 |
| 37,0 KL | PG 29 | MF 12 | 590.3701 | 84,03 |
| 38,0 | - | MF 12 | 590.3800 | 59,55 |
| 38,0 KL | - | MF 12 | 590.3801 | 84,03 |
| 40,5 | M40 | MF 16 | 590.4050 | 81,56 |
| 40,5 KL | M40 | MF 16 | 590.4051 | 111,72 |
| 47,0 | PG 36 | MF 16 | 590.4700 | 96,86 |
| 47,0 KL | PG 36 | MF 16 | 590.4701 | 127,07 |
| 50,5 | M50 | MF 16 | 590.5050 | 116,58 |
| 50,5 KL | M50 | MF 16 | 590.5051 | 153,49 |
| 54,0 | PG 42 | MF 16 | 590.5400 | 126,20 |
| 54,0 KL | PG 42 | MF 16 | 590.5401 | 163,40 |
| 60,0 | PG 48 | MF 16 | 590.6000 | 156,07 |
| 60,0 KL | PG 48 | MF 16 | 590.6001 | 193,27 |
| 63,5 | M63 | MF 16 | 590.6350 | 179,43 |
| 63,5 KL | M63 | MF 16 | 590.6351 | 216,64 |

Trekbouten


| Draad | Lengte | Klasse | Art.nr. | € / st |
|------------------|--------|--------|----------|--------|
| MF 8x1,0 | 40 | 10.9 | 590.9005 | 1,55 |
| MF10x1,0 | 45 | 12.9 | 590.9010 | 2,43 |
| MF12x1,5 | 55 | 12.9 | 590.9015 | 2,92 |
| MF16x1,5 | 60 | 12.9 | 590.9020 | 3,98 |
| MF10x1,0 Kogell. | 50 | 12.9 | 590.9025 | 26,91 |
| MF12x1,5 Kogell. | 60 | 12.9 | 590.9030 | 33,03 |
| MF16x1,5 Kogell. | 70 | 12.9 | 590.9035 | 40,32 |



Uitvoering: Gatenpons Premium met splijstempel voor normaal staal ST37. Door middel van een schroef sleutel of in combinatie met een hydrauliek pomp. Trekbout invetten verlengt de levensduur en voorkomt "vastvreten".

| Diameter (mm) | PG/MF | Passende trekbout | Hydro-bout | Art.nr. | € / st |
|---------------|----------|-------------------|-------------|----------|--------|
| 12,5 | M12 | 6,0x40,0 mm | 19,0x6,0 mm | 591.1250 | 51,00 |
| 15,2 | PG9 | 9,5x50,0 mm | 19,0x9,5 mm | 591.1520 | 53,50 |
| 16,2 | M16 | 9,5x50,0 mm | 19,0x9,5 mm | 591.1620 | 54,50 |
| 18,6 | PG11 | 9,5x50,0 mm | 19,0x9,5 mm | 591.1860 | 54,50 |
| 20,4 | M20/PG13 | 9,5x50,0 mm | 19,0x9,5 mm | 591.2040 | 54,50 |
| 22,5 | PG16 | 9,5x50,0 mm | 19,0x9,5 mm | 591.2250 | 57,00 |
| 25,4 | M25 | 9,5x50,0 mm | 19,0x9,5 mm | 591.2540 | 67,50 |
| 28,3 | PG21 | 9,5x50,0 mm | 19,0x9,5 mm | 591.2830 | 69,00 |
| 30,5 | - | 9,5x50,0 mm | 19,0x9,5 mm | 591.3050 | 69,50 |
| 32,5 | M32 | 19,0x55,0 mm | 19,0 mm | 591.3250 | 77,00 |
| 37,0 | PG29 | 19,0x55,0 mm | 19,0 mm | 591.3700 | 82,50 |
| 40,5 | M40 | 19,0x75,0 mm | 19,0 mm | 591.4050 | 87,00 |
| 47,0 | PG36 | 19,0x75,0 mm | 19,0 mm | 591.4700 | 121,00 |
| 50,5 | M50 | 19,0x75,0 mm | 19,0 mm | 591.5050 | 151,00 |
| 54,0 | PG42 | 19,0x75,0 mm | 19,0 mm | 591.5400 | 152,50 |
| 60,0 | PG48 | 19,0x75,0 mm | 19,0 mm | 591.6000 | 157,50 |
| 63,5 | M63 | 19,0x75,0 mm | 19,0 mm | 591.6350 | 179,50 |

Trekbouten (splijstempel)



Uitvoering: Met ponsen met een trekbout van 6,0 mm kan men plaatmateriaal tot 1,5 mm gebruiken. Met 9,5 mm tot 2,0 mm, en 19,0 mm tot 3,0 mm plaatmateriaal.

| Diameter (mm) | Lengte | Diam. Pons | Art.nr. | € / st |
|---------------|--------|-------------|----------|--------|
| 9,5 | 50,0 | 12,5 - 30,5 | 591.9020 | 17,00 |
| 19,0 | 55,0 | 32,5 - 37,0 | 591.9030 | 39,00 |
| 19,0 | 75,0 | 40,5 - 63,5 | 591.9040 | 45,00 |

Trekbouten (hydraulisch)



| Diameter (mm) | Diam. Pons | Voor | Art.nr. | € / st |
|---------------|--------------|-------|----------|--------|
| 19,0x9,5 | 15,2-30,5 mm | Hydro | 591.9550 | 47,10 |
| 19,0 | 32,5-63,5 mm | Hydro | 591.9560 | 62,10 |