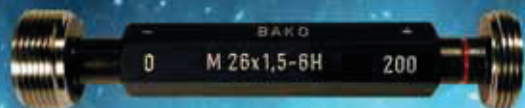
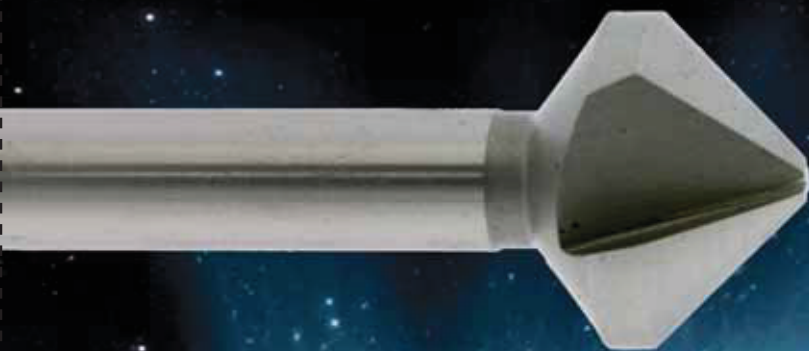


CATALOG 16



IZAR[®]
CUTTING TOOLS



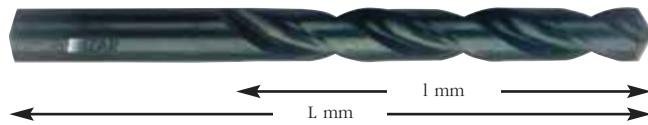
Miltpor trade mark

ADLER



BAKO
Cutting Tools

Punte Elicoidali Serie Corta



1010

HSS

DIN 338 N



Finitura Blu

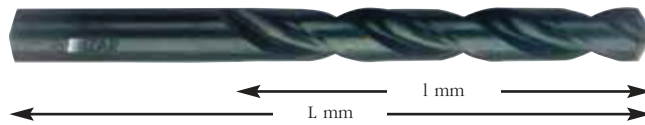
Rettif.

< 800 N/mm²

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1010000,2 | 0,20 | 19 | 2,5 | 10 | |
| 1010000,25 | 0,25 | 19 | 3 | 10 | |
| 1010000,3 | 0,30 | 19 | 3 | 10 | |
| 1010000,35 | 0,35 | 19 | 4 | 10 | |
| 1010000,4 | 0,40 | 20 | 5 | 10 | |
| 1010000,45 | 0,45 | 20 | 5 | 10 | |
| 1010000,5 | 0,50 | 22 | 6 | 10 | |
| 1010000,55 | 0,55 | 24 | 7 | 10 | |
| 1010000,6 | 0,60 | 24 | 7 | 10 | |
| 1010000,65 | 0,65 | 26 | 8 | 10 | |
| 1010000,7 | 0,70 | 28 | 9 | 10 | |
| 1010000,75 | 0,75 | 28 | 9 | 10 | |
| 1010000,8 | 0,80 | 30 | 10 | 10 | |
| 1010000,85 | 0,85 | 30 | 10 | 10 | |
| 1010000,9 | 0,90 | 32 | 11 | 10 | |
| 1010000,95 | 0,95 | 32 | 11 | 10 | |
| 1010001 | 1,00 | 34 | 12 | 10 | |
| 1010001,05 | 1,05 | 34 | 12 | 10 | |
| 1010001,1 | 1,10 | 36 | 14 | 10 | |
| 1010001,15 | 1,15 | 36 | 14 | 10 | |
| 1010001,2 | 1,20 | 38 | 16 | 10 | |
| 1010001,25 | 1,25 | 38 | 16 | 10 | |
| 1010001,3 | 1,30 | 38 | 16 | 10 | |
| 1010001,35 | 1,35 | 40 | 18 | 10 | |
| 1010001,4 | 1,40 | 40 | 18 | 10 | |
| 1010001,45 | 1,45 | 40 | 18 | 10 | |
| 1010001,5 | 1,50 | 40 | 18 | 10 | |
| 1010001,55 | 1,55 | 43 | 20 | 10 | |
| 1010001,6 | 1,60 | 43 | 20 | 10 | |
| 1010001,65 | 1,65 | 43 | 20 | 10 | |
| 1010001,7 | 1,70 | 43 | 20 | 10 | |
| 1010001,75 | 1,75 | 46 | 22 | 10 | |
| 1010001,8 | 1,80 | 46 | 22 | 10 | |
| 1010001,85 | 1,85 | 46 | 22 | 10 | |
| 1010001,9 | 1,90 | 46 | 22 | 10 | |
| 1010001,95 | 1,95 | 49 | 24 | 10 | |
| 1010002 | 2,00 | 49 | 24 | 10 | |
| 1010002,05 | 2,05 | 49 | 24 | 10 | |
| 1010002,1 | 2,10 | 49 | 24 | 10 | |
| 1010002,15 | 2,15 | 53 | 27 | 10 | |
| 1010002,2 | 2,20 | 53 | 27 | 10 | |
| 1010002,25 | 2,25 | 53 | 27 | 10 | |
| 1010002,3 | 2,30 | 53 | 27 | 10 | |
| 1010002,35 | 2,35 | 53 | 27 | 10 | |
| 1010002,4 | 2,40 | 57 | 30 | 10 | |
| 1010002,45 | 2,45 | 57 | 30 | 10 | |
| 1010002,5 | 2,50 | 57 | 30 | 10 | |
| 1010002,55 | 2,55 | 57 | 30 | 10 | |
| 1010002,6 | 2,60 | 57 | 30 | 10 | |
| 1010002,65 | 2,65 | 57 | 30 | 10 | |
| 1010002,7 | 2,70 | 61 | 33 | 10 | |
| 1010002,75 | 2,75 | 61 | 33 | 10 | |
| 1010002,8 | 2,80 | 61 | 33 | 10 | |
| 1010002,85 | 2,85 | 61 | 33 | 10 | |
| 1010002,9 | 2,90 | 61 | 33 | 10 | |
| 1010002,95 | 2,95 | 61 | 33 | 10 | |
| 1010003 | 3,00 | 61 | 33 | 10 | |
| 1010003,05 | 3,05 | 65 | 36 | 10 | |
| 1010003,1 | 3,10 | 65 | 36 | 10 | |
| 1010003,15 | 3,15 | 65 | 36 | 10 | |
| 1010003,2 | 3,20 | 65 | 36 | 10 | |
| 1010003,25 | 3,25 | 65 | 36 | 10 | |
| 1010003,3 | 3,30 | 65 | 36 | 10 | |
| 1010003,35 | 3,35 | 65 | 36 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1010003,4 | 3,40 | 70 | 39 | 10 | |
| 1010003,45 | 3,45 | 70 | 39 | 10 | |
| 1010003,5 | 3,50 | 70 | 39 | 10 | |
| 1010003,55 | 3,55 | 70 | 39 | 10 | |
| 1010003,6 | 3,60 | 70 | 39 | 10 | |
| 1010003,65 | 3,65 | 70 | 39 | 10 | |
| 1010003,7 | 3,70 | 70 | 39 | 10 | |
| 1010003,75 | 3,75 | 70 | 39 | 10 | |
| 1010003,8 | 3,80 | 75 | 43 | 10 | |
| 1010003,85 | 3,85 | 75 | 43 | 10 | |
| 1010003,9 | 3,90 | 75 | 43 | 10 | |
| 1010003,95 | 3,95 | 75 | 43 | 10 | |
| 1010004 | 4,00 | 75 | 43 | 10 | |
| 1010004,05 | 4,05 | 75 | 43 | 10 | |
| 1010004,1 | 4,10 | 75 | 43 | 10 | |
| 1010004,15 | 4,15 | 75 | 43 | 10 | |
| 1010004,2 | 4,20 | 75 | 43 | 10 | |
| 1010004,25 | 4,25 | 75 | 43 | 10 | |
| 1010004,3 | 4,30 | 80 | 47 | 10 | |
| 1010004,35 | 4,35 | 80 | 47 | 10 | |
| 1010004,4 | 4,40 | 80 | 47 | 10 | |
| 1010004,45 | 4,45 | 80 | 47 | 10 | |
| 1010004,5 | 4,50 | 80 | 47 | 10 | |
| 1010004,55 | 4,55 | 80 | 47 | 10 | |
| 1010004,6 | 4,60 | 80 | 47 | 10 | |
| 1010004,65 | 4,65 | 80 | 47 | 10 | |
| 1010004,7 | 4,70 | 80 | 47 | 10 | |
| 1010004,75 | 4,75 | 80 | 47 | 10 | |
| 1010004,8 | 4,80 | 86 | 52 | 10 | |
| 1010004,85 | 4,85 | 86 | 52 | 10 | |
| 1010004,9 | 4,90 | 86 | 52 | 10 | |
| 1010004,95 | 4,95 | 86 | 52 | 10 | |
| 1010005 | 5,00 | 86 | 52 | 10 | |
| 1010005,05 | 5,05 | 86 | 52 | 10 | |
| 1010005,1 | 5,10 | 86 | 52 | 10 | |
| 1010005,15 | 5,15 | 86 | 52 | 10 | |
| 1010005,2 | 5,20 | 86 | 52 | 10 | |
| 1010005,25 | 5,25 | 86 | 52 | 10 | |
| 1010005,3 | 5,30 | 86 | 52 | 10 | |
| 1010005,35 | 5,35 | 93 | 57 | 10 | |
| 1010005,4 | 5,40 | 93 | 57 | 10 | |
| 1010005,45 | 5,45 | 93 | 57 | 10 | |
| 1010005,5 | 5,50 | 93 | 57 | 10 | |
| 1010005,55 | 5,55 | 93 | 57 | 10 | |
| 1010005,6 | 5,60 | 93 | 57 | 10 | |
| 1010005,65 | 5,65 | 93 | 57 | 10 | |
| 1010005,7 | 5,70 | 93 | 57 | 10 | |
| 1010005,75 | 5,75 | 93 | 57 | 10 | |
| 1010005,8 | 5,80 | 93 | 57 | 10 | |
| 1010005,85 | 5,85 | 93 | 57 | 10 | |
| 1010005,9 | 5,90 | 93 | 57 | 10 | |
| 1010005,95 | 5,95 | 93 | 57 | 10 | |
| 1010006 | 6,00 | 93 | 57 | 10 | |
| 1010006,05 | 6,05 | 101 | 63 | 10 | |
| 1010006,1 | 6,10 | 101 | 63 | 10 | |
| 1010006,15 | 6,15 | 101 | 63 | 10 | |
| 1010006,2 | 6,20 | 101 | 63 | 10 | |
| 1010006,25 | 6,25 | 101 | 63 | 10 | |
| 1010006,3 | 6,30 | 101 | 63 | 10 | |
| 1010006,35 | 6,35 | 101 | 63 | 10 | |
| 1010006,4 | 6,40 | 101 | 63 | 10 | |
| 1010006,45 | 6,45 | 101 | 63 | 10 | |
| 1010006,5 | 6,50 | 101 | 63 | 10 | |
| 1010006,55 | 6,55 | 101 | 63 | 10 | |

Punte Elicoidali Serie Corta



1010

HSS

DIN 338 N



Finitura Blu

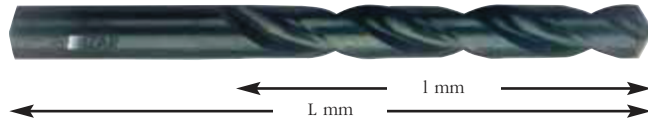
Rettif.

< 800 N/mm²

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1010006,6 | 6,60 | 101 | 63 | 10 | |
| 1010006,65 | 6,65 | 101 | 63 | 10 | |
| 1010006,7 | 6,70 | 101 | 63 | 10 | |
| 1010006,75 | 6,75 | 109 | 69 | 10 | |
| 1010006,8 | 6,80 | 109 | 69 | 10 | |
| 1010006,85 | 6,85 | 109 | 69 | 10 | |
| 1010006,9 | 6,90 | 109 | 69 | 10 | |
| 1010006,95 | 6,95 | 109 | 69 | 10 | |
| 1010007 | 7,00 | 109 | 69 | 10 | |
| 1010007,05 | 7,05 | 109 | 69 | 10 | |
| 1010007,1 | 7,10 | 109 | 69 | 10 | |
| 1010007,15 | 7,15 | 109 | 69 | 10 | |
| 1010007,2 | 7,20 | 109 | 69 | 10 | |
| 1010007,25 | 7,25 | 109 | 69 | 10 | |
| 1010007,3 | 7,30 | 109 | 69 | 10 | |
| 1010007,35 | 7,35 | 109 | 69 | 10 | |
| 1010007,4 | 7,40 | 109 | 69 | 10 | |
| 1010007,45 | 7,45 | 109 | 69 | 10 | |
| 1010007,5 | 7,50 | 109 | 69 | 10 | |
| 1010007,55 | 7,55 | 117 | 75 | 10 | |
| 1010007,6 | 7,60 | 117 | 75 | 10 | |
| 1010007,65 | 7,65 | 117 | 75 | 10 | |
| 1010007,7 | 7,70 | 117 | 75 | 10 | |
| 1010007,75 | 7,75 | 117 | 75 | 10 | |
| 1010007,8 | 7,80 | 117 | 75 | 10 | |
| 1010007,85 | 7,85 | 117 | 75 | 10 | |
| 1010007,9 | 7,90 | 117 | 75 | 10 | |
| 1010007,95 | 7,95 | 117 | 75 | 10 | |
| 1010008 | 8,00 | 117 | 75 | 10 | |
| 1010008,05 | 8,05 | 117 | 75 | 10 | |
| 1010008,1 | 8,10 | 117 | 75 | 10 | |
| 1010008,15 | 8,15 | 117 | 75 | 10 | |
| 1010008,2 | 8,20 | 117 | 75 | 10 | |
| 1010008,25 | 8,25 | 117 | 75 | 10 | |
| 1010008,3 | 8,30 | 117 | 75 | 10 | |
| 1010008,35 | 8,35 | 117 | 75 | 10 | |
| 1010008,4 | 8,40 | 117 | 75 | 10 | |
| 1010008,45 | 8,45 | 117 | 75 | 10 | |
| 1010008,5 | 8,50 | 117 | 75 | 10 | |
| 1010008,55 | 8,55 | 125 | 81 | 10 | |
| 1010008,6 | 8,60 | 125 | 81 | 10 | |
| 1010008,65 | 8,65 | 125 | 81 | 10 | |
| 1010008,7 | 8,70 | 125 | 81 | 10 | |
| 1010008,75 | 8,75 | 125 | 81 | 10 | |
| 1010008,8 | 8,80 | 125 | 81 | 10 | |
| 1010008,85 | 8,85 | 125 | 81 | 10 | |
| 1010008,9 | 8,90 | 125 | 81 | 10 | |
| 1010008,95 | 8,95 | 125 | 81 | 10 | |
| 1010009 | 9,00 | 125 | 81 | 10 | |
| 1010009,05 | 9,05 | 125 | 81 | 10 | |
| 1010009,1 | 9,10 | 125 | 81 | 10 | |
| 1010009,15 | 9,15 | 125 | 81 | 10 | |
| 1010009,2 | 9,20 | 125 | 81 | 10 | |
| 1010009,25 | 9,25 | 125 | 81 | 10 | |
| 1010009,3 | 9,30 | 125 | 81 | 10 | |
| 1010009,4 | 9,40 | 125 | 81 | 10 | |
| 1010009,45 | 9,45 | 125 | 81 | 10 | |
| 1010009,5 | 9,50 | 125 | 81 | 10 | |
| 1010009,55 | 9,55 | 133 | 87 | 10 | |
| 1010009,6 | 9,60 | 133 | 87 | 10 | |
| 1010009,65 | 9,65 | 133 | 87 | 10 | |
| 1010009,7 | 9,70 | 133 | 87 | 10 | |
| 1010009,75 | 9,75 | 133 | 87 | 10 | |
| 1010009,8 | 9,80 | 133 | 87 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1010009,85 | 9,85 | 133 | 87 | 10 | |
| 1010009,9 | 9,90 | 133 | 87 | 10 | |
| 1010009,95 | 9,95 | 133 | 87 | 10 | |
| 1010010 | 10,00 | 133 | 87 | 10 | |
| 1010010,1 | 10,10 | 133 | 87 | 5 | |
| 1010010,2 | 10,20 | 133 | 87 | 5 | |
| 1010010,25 | 10,25 | 133 | 87 | 5 | |
| 1010010,3 | 10,30 | 133 | 87 | 5 | |
| 1010010,4 | 10,40 | 133 | 87 | 5 | |
| 1010010,5 | 10,50 | 133 | 87 | 5 | |
| 1010010,6 | 10,60 | 133 | 87 | 5 | |
| 1010010,7 | 10,70 | 142 | 94 | 5 | |
| 1010010,75 | 10,75 | 142 | 94 | 5 | |
| 1010010,8 | 10,80 | 142 | 94 | 5 | |
| 1010010,9 | 10,90 | 142 | 94 | 5 | |
| 1010011 | 11,00 | 142 | 94 | 5 | |
| 1010011,1 | 11,10 | 142 | 94 | 5 | |
| 1010011,2 | 11,20 | 142 | 94 | 5 | |
| 1010011,25 | 11,25 | 142 | 94 | 5 | |
| 1010011,3 | 11,30 | 142 | 94 | 5 | |
| 1010011,4 | 11,40 | 142 | 94 | 5 | |
| 1010011,5 | 11,50 | 142 | 94 | 5 | |
| 1010011,6 | 11,60 | 142 | 94 | 5 | |
| 1010011,7 | 11,70 | 142 | 94 | 5 | |
| 1010011,75 | 11,75 | 142 | 94 | 5 | |
| 1010011,8 | 11,80 | 142 | 94 | 5 | |
| 1010011,9 | 11,90 | 151 | 101 | 5 | |
| 1010012 | 12,00 | 151 | 101 | 5 | |
| 1010012,1 | 12,10 | 151 | 101 | 5 | |
| 1010012,2 | 12,20 | 151 | 101 | 5 | |
| 1010012,25 | 12,25 | 151 | 101 | 5 | |
| 1010012,3 | 12,30 | 151 | 101 | 5 | |
| 1010012,4 | 12,40 | 151 | 101 | 5 | |
| 1010012,5 | 12,50 | 151 | 101 | 5 | |
| 1010012,6 | 12,60 | 151 | 101 | 5 | |
| 1010012,7 | 12,70 | 151 | 101 | 5 | |
| 1010012,75 | 12,75 | 151 | 101 | 5 | |
| 1010012,8 | 12,80 | 151 | 101 | 5 | |
| 1010012,9 | 12,90 | 151 | 101 | 5 | |
| 1010013 | 13,00 | 151 | 101 | 5 | |
| 1010013,1 | 13,10 | 151 | 101 | 1 | |
| 1010013,2 | 13,20 | 151 | 101 | 1 | |
| 1010013,25 | 13,25 | 160 | 108 | 1 | |
| 1010013,3 | 13,30 | 160 | 108 | 1 | |
| 1010013,4 | 13,40 | 160 | 108 | 1 | |
| 1010013,5 | 13,50 | 160 | 108 | 1 | |
| 1010013,6 | 13,60 | 160 | 108 | 1 | |
| 1010013,7 | 13,70 | 160 | 108 | 1 | |
| 1010013,75 | 13,75 | 160 | 108 | 1 | |
| 1010013,8 | 13,80 | 160 | 108 | 1 | |
| 1010013,9 | 13,90 | 160 | 108 | 1 | |
| 1010014 | 14,00 | 160 | 108 | 1 | |
| 1010014,1 | 14,10 | 169 | 114 | 1 | |
| 1010014,2 | 14,20 | 169 | 114 | 1 | |
| 1010014,25 | 14,25 | 169 | 114 | 1 | |
| 1010014,3 | 14,30 | 169 | 114 | 1 | |
| 1010014,4 | 14,40 | 169 | 114 | 1 | |
| 1010014,5 | 14,50 | 169 | 114 | 1 | |
| 1010014,6 | 14,60 | 169 | 114 | 1 | |
| 1010014,7 | 14,70 | 169 | 114 | 1 | |
| 1010014,75 | 14,75 | 169 | 114 | 1 | |
| 1010014,8 | 14,80 | 169 | 114 | 1 | |
| 1010014,9 | 14,90 | 169 | 114 | 1 | |
| 1010015 | 15,00 | 169 | 114 | 1 | |

Punte Elicoidali Serie Corta



1010

HSS


DIN 338 N



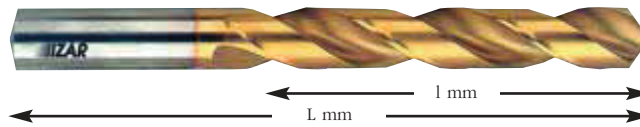
Finitura Blu

Rettif.

< 800 N/mm²

| Codice | Ø mm h8 | L mm | l mm |  | HSS € |
|------------|------------|---------|---------|---|----------|
| 1010015,2 | 15,20 | 178 | 120 | 1 | |
| 1010015,25 | 15,25 | 178 | 120 | 1 | |
| 1010015,5 | 15,50 | 178 | 120 | 1 | |
| 1010015,6 | 15,60 | 178 | 120 | 1 | |
| 1010015,7 | 15,70 | 178 | 120 | 1 | |
| 1010015,75 | 15,75 | 178 | 120 | 1 | |
| 1010015,8 | 15,80 | 178 | 120 | 1 | |
| 1010015,9 | 15,90 | 178 | 120 | 1 | |
| 1010016 | 16,00 | 178 | 120 | 1 | |
| 1010016,2 | 16,20 | 184 | 125 | 1 | |
| 1010016,25 | 16,25 | 184 | 125 | 1 | |
| 1010016,5 | 16,50 | 184 | 125 | 1 | |
| 1010016,75 | 16,75 | 184 | 125 | 1 | |
| 1010016,8 | 16,80 | 184 | 125 | 1 | |
| 1010017 | 17,00 | 184 | 125 | 1 | |
| 1010017,25 | 17,25 | 191 | 130 | 1 | |
| 1010017,5 | 17,50 | 191 | 130 | 1 | |
| 1010017,75 | 17,75 | 191 | 130 | 1 | |
| 1010018 | 18,00 | 191 | 130 | 1 | |
| 1010018,25 | 18,25 | 198 | 135 | 1 | |
| 1010018,5 | 18,50 | 198 | 135 | 1 | |
| 1010018,75 | 18,75 | 198 | 135 | 1 | |
| 1010019 | 19,00 | 198 | 135 | 1 | |
| 1010019,25 | 19,25 | 205 | 140 | 1 | |
| 1010019,5 | 19,50 | 205 | 140 | 1 | |
| 1010019,75 | 19,75 | 205 | 140 | 1 | |
| 1010020 | 20,00 | 205 | 140 | 1 | |

Punte Elicoidali Serie Corta



1010T

HSS

DIN
338 N



TIN

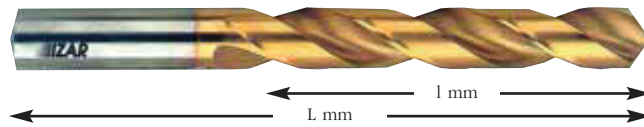
Rettif.

< 800
N/mm²

| Codice | Ø mm h8 | L mm | l mm | | TIN € |
|-------------|------------|---------|---------|----|----------|
| 1010T001 | 1,00 | 34 | 12 | 10 | |
| 1010T001,05 | 1,05 | 34 | 12 | 10 | |
| 1010T001,1 | 1,10 | 36 | 14 | 10 | |
| 1010T001,15 | 1,15 | 36 | 14 | 10 | |
| 1010T001,2 | 1,20 | 38 | 16 | 10 | |
| 1010T001,25 | 1,25 | 38 | 16 | 10 | |
| 1010T001,3 | 1,30 | 38 | 16 | 10 | |
| 1010T001,35 | 1,35 | 40 | 18 | 10 | |
| 1010T001,4 | 1,40 | 40 | 18 | 10 | |
| 1010T001,45 | 1,45 | 40 | 18 | 10 | |
| 1010T001,5 | 1,50 | 40 | 18 | 10 | |
| 1010T001,55 | 1,55 | 43 | 20 | 10 | |
| 1010T001,6 | 1,60 | 43 | 20 | 10 | |
| 1010T001,65 | 1,65 | 43 | 20 | 10 | |
| 1010T001,7 | 1,70 | 43 | 20 | 10 | |
| 1010T001,75 | 1,75 | 46 | 22 | 10 | |
| 1010T001,8 | 1,80 | 46 | 22 | 10 | |
| 1010T001,85 | 1,85 | 46 | 22 | 10 | |
| 1010T001,9 | 1,90 | 46 | 22 | 10 | |
| 1010T001,95 | 1,95 | 49 | 24 | 10 | |
| 1010T002 | 2,00 | 49 | 24 | 10 | |
| 1010T002,05 | 2,05 | 49 | 24 | 10 | |
| 1010T002,1 | 2,10 | 49 | 24 | 10 | |
| 1010T002,15 | 2,15 | 53 | 27 | 10 | |
| 1010T002,2 | 2,20 | 53 | 27 | 10 | |
| 1010T002,25 | 2,25 | 53 | 27 | 10 | |
| 1010T002,3 | 2,30 | 53 | 27 | 10 | |
| 1010T002,35 | 2,35 | 53 | 27 | 10 | |
| 1010T002,4 | 2,40 | 57 | 30 | 10 | |
| 1010T002,45 | 2,45 | 57 | 30 | 10 | |
| 1010T002,5 | 2,50 | 57 | 30 | 10 | |
| 1010T002,55 | 2,55 | 57 | 30 | 10 | |
| 1010T002,6 | 2,60 | 57 | 30 | 10 | |
| 1010T002,65 | 2,65 | 57 | 30 | 10 | |
| 1010T002,7 | 2,70 | 61 | 33 | 10 | |
| 1010T002,75 | 2,75 | 61 | 33 | 10 | |
| 1010T002,8 | 2,80 | 61 | 33 | 10 | |
| 1010T002,85 | 2,85 | 61 | 33 | 10 | |
| 1010T002,9 | 2,90 | 61 | 33 | 10 | |
| 1010T002,95 | 2,95 | 61 | 33 | 10 | |
| 1010T003 | 3,00 | 61 | 33 | 10 | |
| 1010T003,05 | 3,05 | 65 | 36 | 10 | |
| 1010T003,1 | 3,10 | 65 | 36 | 10 | |
| 1010T003,15 | 3,15 | 65 | 36 | 10 | |
| 1010T003,2 | 3,20 | 65 | 36 | 10 | |
| 1010T003,25 | 3,25 | 65 | 36 | 10 | |
| 1010T003,3 | 3,30 | 65 | 36 | 10 | |
| 1010T003,35 | 3,35 | 65 | 36 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | TIN € |
|-------------|------------|---------|---------|----|----------|
| 1010T003,4 | 3,40 | 70 | 39 | 10 | |
| 1010T003,45 | 3,45 | 70 | 39 | 10 | |
| 1010T003,5 | 3,50 | 70 | 39 | 10 | |
| 1010T003,55 | 3,55 | 70 | 39 | 10 | |
| 1010T003,6 | 3,60 | 70 | 39 | 10 | |
| 1010T003,65 | 3,65 | 70 | 39 | 10 | |
| 1010T003,7 | 3,70 | 70 | 39 | 10 | |
| 1010T003,75 | 3,75 | 70 | 39 | 10 | |
| 1010T003,8 | 3,80 | 75 | 43 | 10 | |
| 1010T003,85 | 3,85 | 75 | 43 | 10 | |
| 1010T003,9 | 3,90 | 75 | 43 | 10 | |
| 1010T003,95 | 3,95 | 75 | 43 | 10 | |
| 1010T004 | 4,00 | 75 | 43 | 10 | |
| 1010T004,05 | 4,05 | 75 | 43 | 10 | |
| 1010T004,1 | 4,10 | 75 | 43 | 10 | |
| 1010T004,15 | 4,15 | 75 | 43 | 10 | |
| 1010T004,2 | 4,20 | 75 | 43 | 10 | |
| 1010T004,25 | 4,25 | 75 | 43 | 10 | |
| 1010T004,3 | 4,30 | 80 | 47 | 10 | |
| 1010T004,35 | 4,35 | 80 | 47 | 10 | |
| 1010T004,4 | 4,40 | 80 | 47 | 10 | |
| 1010T004,45 | 4,45 | 80 | 47 | 10 | |
| 1010T004,5 | 4,50 | 80 | 47 | 10 | |
| 1010T004,55 | 4,55 | 80 | 47 | 10 | |
| 1010T004,6 | 4,60 | 80 | 47 | 10 | |
| 1010T004,65 | 4,65 | 80 | 47 | 10 | |
| 1010T004,7 | 4,70 | 80 | 47 | 10 | |
| 1010T004,75 | 4,75 | 80 | 47 | 10 | |
| 1010T004,8 | 4,80 | 86 | 52 | 10 | |
| 1010T004,85 | 4,85 | 86 | 52 | 10 | |
| 1010T004,9 | 4,90 | 86 | 52 | 10 | |
| 1010T004,95 | 4,95 | 86 | 52 | 10 | |
| 1010T005 | 5,00 | 86 | 52 | 10 | |
| 1010T005,05 | 5,05 | 86 | 52 | 10 | |
| 1010T005,1 | 5,10 | 86 | 52 | 10 | |
| 1010T005,15 | 5,15 | 86 | 52 | 10 | |
| 1010T005,2 | 5,20 | 86 | 52 | 10 | |
| 1010T005,25 | 5,25 | 86 | 52 | 10 | |
| 1010T005,3 | 5,30 | 86 | 52 | 10 | |
| 1010T005,35 | 5,35 | 93 | 57 | 10 | |
| 1010T005,4 | 5,40 | 93 | 57 | 10 | |
| 1010T005,45 | 5,45 | 93 | 57 | 10 | |
| 1010T005,5 | 5,50 | 93 | 57 | 10 | |
| 1010T005,55 | 5,55 | 93 | 57 | 10 | |
| 1010T005,6 | 5,60 | 93 | 57 | 10 | |
| 1010T005,65 | 5,65 | 93 | 57 | 10 | |
| 1010T005,7 | 5,70 | 93 | 57 | 10 | |
| 1010T005,75 | 5,75 | 93 | 57 | 10 | |
| 1010T005,8 | 5,80 | 93 | 57 | 10 | |
| 1010T005,85 | 5,85 | 93 | 57 | 10 | |
| 1010T005,9 | 5,90 | 93 | 57 | 10 | |
| 1010T005,95 | 5,95 | 93 | 57 | 10 | |
| 1010T006 | 6,00 | 93 | 57 | 10 | |
| 1010T006,05 | 6,05 | 101 | 63 | 10 | |
| 1010T006,1 | 6,10 | 101 | 63 | 10 | |
| 1010T006,15 | 6,15 | 101 | 63 | 10 | |
| 1010T006,2 | 6,20 | 101 | 63 | 10 | |
| 1010T006,25 | 6,25 | 101 | 63 | 10 | |
| 1010T006,3 | 6,30 | 101 | 63 | 10 | |
| 1010T006,35 | 6,35 | 101 | 63 | 10 | |
| 1010T006,4 | 6,40 | 101 | 63 | 10 | |
| 1010T006,45 | 6,45 | 101 | 63 | 10 | |
| 1010T006,5 | 6,50 | 101 | 63 | 10 | |
| 1010T006,55 | 6,55 | 101 | 63 | 10 | |

Punte Elicoidali Serie Corta



ref. 1010T

HSS

DIN
338 N



TIN

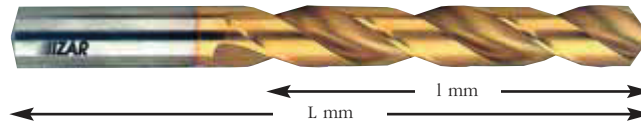
Rettif.

< 800
N/mm²

| Codice | Ø mm h8 | L mm | l mm | | TIN € |
|-------------|------------|---------|---------|----|----------|
| 1010T006,6 | 6,60 | 101 | 63 | 10 | |
| 1010T006,65 | 6,65 | 101 | 63 | 10 | |
| 1010T006,7 | 6,70 | 101 | 63 | 10 | |
| 1010T006,75 | 6,75 | 109 | 69 | 10 | |
| 1010T006,8 | 6,80 | 109 | 69 | 10 | |
| 1010T006,85 | 6,85 | 109 | 69 | 10 | |
| 1010T006,9 | 6,90 | 109 | 69 | 10 | |
| 1010T006,95 | 6,95 | 109 | 69 | 10 | |
| 1010T007 | 7,00 | 109 | 69 | 10 | |
| 1010T007,05 | 7,05 | 109 | 69 | 10 | |
| 1010T007,1 | 7,10 | 109 | 69 | 10 | |
| 1010T007,15 | 7,15 | 109 | 69 | 10 | |
| 1010T007,2 | 7,20 | 109 | 69 | 10 | |
| 1010T007,25 | 7,25 | 109 | 69 | 10 | |
| 1010T007,3 | 7,30 | 109 | 69 | 10 | |
| 1010T007,4 | 7,40 | 109 | 69 | 10 | |
| 1010T007,45 | 7,45 | 109 | 69 | 10 | |
| 1010T007,5 | 7,50 | 109 | 69 | 10 | |
| 1010T007,6 | 7,60 | 117 | 75 | 10 | |
| 1010T007,65 | 7,65 | 117 | 75 | 10 | |
| 1010T007,7 | 7,70 | 117 | 75 | 10 | |
| 1010T007,75 | 7,75 | 117 | 75 | 10 | |
| 1010T007,8 | 7,80 | 117 | 75 | 10 | |
| 1010T007,85 | 7,85 | 117 | 75 | 10 | |
| 1010T007,9 | 7,90 | 117 | 75 | 10 | |
| 1010T007,95 | 7,95 | 117 | 75 | 10 | |
| 1010T008 | 8,00 | 117 | 75 | 10 | |
| 1010T008,05 | 8,05 | 117 | 75 | 10 | |
| 1010T008,1 | 8,10 | 117 | 75 | 10 | |
| 1010T008,15 | 8,15 | 117 | 75 | 10 | |
| 1010T008,2 | 8,20 | 117 | 75 | 10 | |
| 1010T008,25 | 8,25 | 117 | 75 | 10 | |
| 1010T008,3 | 8,30 | 117 | 75 | 10 | |
| 1010T008,35 | 8,35 | 117 | 75 | 10 | |
| 1010T008,4 | 8,40 | 117 | 75 | 10 | |
| 1010T008,45 | 8,45 | 117 | 75 | 10 | |
| 1010T008,5 | 8,50 | 117 | 75 | 10 | |
| 1010T008,55 | 8,55 | 125 | 81 | 10 | |
| 1010T008,6 | 8,60 | 125 | 81 | 10 | |
| 1010T008,65 | 8,65 | 125 | 81 | 10 | |
| 1010T008,7 | 8,70 | 125 | 81 | 10 | |
| 1010T008,75 | 8,75 | 125 | 81 | 10 | |
| 1010T008,8 | 8,80 | 125 | 81 | 10 | |
| 1010T008,85 | 8,85 | 125 | 81 | 10 | |
| 1010T008,9 | 8,90 | 125 | 81 | 10 | |
| 1010T008,95 | 8,95 | 125 | 81 | 10 | |
| 1010T009 | 9,00 | 125 | 81 | 10 | |
| 1010T009,05 | 9,05 | 125 | 81 | 10 | |
| 1010T009,1 | 9,10 | 125 | 81 | 10 | |
| 1010T009,15 | 9,15 | 125 | 81 | 10 | |
| 1010T009,2 | 9,20 | 125 | 81 | 10 | |
| 1010T009,25 | 9,25 | 125 | 81 | 10 | |
| 1010T009,3 | 9,30 | 125 | 81 | 10 | |
| 1010T009,4 | 9,40 | 125 | 81 | 10 | |
| 1010T009,45 | 9,45 | 125 | 81 | 10 | |
| 1010T009,5 | 9,50 | 125 | 81 | 10 | |
| 1010T009,55 | 9,55 | 133 | 87 | 10 | |
| 1010T009,6 | 9,60 | 133 | 87 | 10 | |
| 1010T009,65 | 9,65 | 133 | 87 | 10 | |
| 1010T009,7 | 9,70 | 133 | 87 | 10 | |
| 1010T009,75 | 9,75 | 133 | 87 | 10 | |
| 1010T009,8 | 9,80 | 133 | 87 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | TIN € |
|-------------|------------|---------|---------|----|----------|
| 1010T009,85 | 9,85 | 133 | 87 | 10 | |
| 1010T009,9 | 9,90 | 133 | 87 | 10 | |
| 1010T009,95 | 9,95 | 133 | 87 | 10 | |
| 1010T010 | 10,00 | 133 | 87 | 10 | |
| 1010T010,1 | 10,10 | 133 | 87 | 5 | |
| 1010T010,2 | 10,20 | 133 | 87 | 5 | |
| 1010T010,25 | 10,25 | 133 | 87 | 5 | |
| 1010T010,3 | 10,30 | 133 | 87 | 5 | |
| 1010T010,4 | 10,40 | 133 | 87 | 5 | |
| 1010T010,5 | 10,50 | 133 | 87 | 5 | |
| 1010T010,6 | 10,60 | 133 | 87 | 5 | |
| 1010T010,7 | 10,70 | 142 | 94 | 5 | |
| 1010T010,75 | 10,75 | 142 | 94 | 5 | |
| 1010T010,8 | 10,80 | 142 | 94 | 5 | |
| 1010T010,9 | 10,90 | 142 | 94 | 5 | |
| 1010T011 | 11,00 | 142 | 94 | 5 | |
| 1010T011,1 | 11,10 | 142 | 94 | 5 | |
| 1010T011,2 | 11,20 | 142 | 94 | 5 | |
| 1010T011,25 | 11,25 | 142 | 94 | 5 | |
| 1010T011,3 | 11,30 | 142 | 94 | 5 | |
| 1010T011,4 | 11,40 | 142 | 94 | 5 | |
| 1010T011,5 | 11,50 | 142 | 94 | 5 | |
| 1010T011,6 | 11,60 | 142 | 94 | 5 | |
| 1010T011,7 | 11,70 | 142 | 94 | 5 | |
| 1010T011,75 | 11,75 | 142 | 94 | 5 | |
| 1010T011,8 | 11,80 | 142 | 94 | 5 | |
| 1010T011,9 | 11,90 | 151 | 101 | 5 | |
| 1010T012 | 12,00 | 151 | 101 | 5 | |
| 1010T012,1 | 12,10 | 151 | 101 | 5 | |
| 1010T012,2 | 12,20 | 151 | 101 | 5 | |
| 1010T012,25 | 12,25 | 151 | 101 | 5 | |
| 1010T012,3 | 12,30 | 151 | 101 | 5 | |
| 1010T012,4 | 12,40 | 151 | 101 | 5 | |
| 1010T012,5 | 12,50 | 151 | 101 | 5 | |
| 1010T012,6 | 12,60 | 151 | 101 | 5 | |
| 1010T012,7 | 12,70 | 151 | 101 | 5 | |
| 1010T012,75 | 12,75 | 151 | 101 | 5 | |
| 1010T012,8 | 12,80 | 151 | 101 | 5 | |
| 1010T012,9 | 12,90 | 151 | 101 | 5 | |
| 1010T013 | 13,00 | 151 | 101 | 5 | |
| 1010T013,1 | 13,10 | 151 | 101 | 1 | |
| 1010T013,2 | 13,20 | 151 | 101 | 1 | |
| 1010T013,25 | 13,25 | 160 | 108 | 1 | |
| 1010T013,3 | 13,30 | 160 | 108 | 1 | |
| 1010T013,4 | 13,40 | 160 | 108 | 1 | |
| 1010T013,5 | 13,50 | 160 | 108 | 1 | |
| 1010T013,6 | 13,60 | 160 | 108 | 1 | |
| 1010T013,7 | 13,70 | 160 | 108 | 1 | |
| 1010T013,75 | 13,75 | 160 | 108 | 1 | |
| 1010T013,8 | 13,80 | 160 | 108 | 1 | |
| 1010T013,9 | 13,90 | 160 | 108 | 1 | |
| 1010T014 | 14,00 | 160 | 108 | 1 | |
| 1010T014,1 | 14,10 | 169 | 114 | 1 | |
| 1010T014,2 | 14,20 | 169 | 114 | 1 | |
| 1010T014,25 | 14,25 | 169 | 114 | 1 | |
| 1010T014,3 | 14,30 | 169 | 114 | 1 | |
| 1010T014,4 | 14,40 | 169 | 114 | 1 | |
| 1010T014,5 | 14,50 | 169 | 114 | 1 | |
| 1010T014,6 | 14,60 | 169 | 114 | 1 | |
| 1010T014,7 | 14,70 | 169 | 114 | 1 | |
| 1010T014,75 | 14,75 | 169 | 114 | 1 | |
| 1010T014,8 | 14,80 | 169 | 114 | 1 | |
| 1010T014,9 | 14,90 | 169 | 114 | 1 | |
| 1010T015 | 15,00 | 169 | 114 | 1 | |

Punte Elicoidali Serie Corta



1010T

HSS


DIN 338 N



TIN

Rettif.

< 800 N/mm²

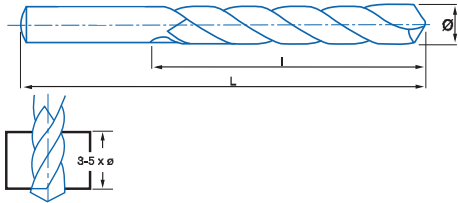
| Codice | Ø mm h8 | L mm | l mm |  | TIN € |
|-------------|------------|---------|---------|---|----------|
| 1010T015,2 | 15,20 | 178 | 120 | 1 | |
| 1010T015,25 | 15,25 | 178 | 120 | 1 | |
| 1010T015,5 | 15,50 | 178 | 120 | 1 | |
| 1010T015,6 | 15,60 | 178 | 120 | 1 | |
| 1010T015,7 | 15,70 | 178 | 120 | 1 | |
| 1010T015,75 | 15,75 | 178 | 120 | 1 | |
| 1010T015,8 | 15,80 | 178 | 120 | 1 | |
| 1010T015,9 | 15,90 | 178 | 120 | 1 | |
| 1010T016 | 16,00 | 178 | 120 | 1 | |
| 1010T016,2 | 16,20 | 184 | 125 | 1 | |
| 1010T016,25 | 16,25 | 184 | 125 | 1 | |
| 1010T016,5 | 16,50 | 184 | 125 | 1 | |
| 1010T016,75 | 16,75 | 184 | 125 | 1 | |
| 1010T016,8 | 16,80 | 184 | 125 | 1 | |
| 1010T017 | 17,00 | 184 | 125 | 1 | |
| 1010T017,25 | 17,25 | 191 | 130 | 1 | |
| 1010T017,5 | 17,50 | 191 | 130 | 1 | |
| 1010T017,75 | 17,75 | 191 | 130 | 1 | |
| 1010T018 | 18,00 | 191 | 130 | 1 | |
| 1010T018,25 | 18,25 | 198 | 135 | 1 | |
| 1010T018,5 | 18,50 | 198 | 135 | 1 | |
| 1010T018,75 | 18,75 | 198 | 135 | 1 | |
| 1010T019 | 19,00 | 198 | 135 | 1 | |
| 1010T019,25 | 19,25 | 205 | 140 | 1 | |
| 1010T019,5 | 19,50 | 205 | 140 | 1 | |
| 1010T019,75 | 19,75 | 205 | 140 | 1 | |
| 1010T020 | 20,00 | 205 | 140 | 1 | |

Punte Elicoidali Serie Corta Zirconio

ref. **1015**



ZIRKON



| Material | | Vc | Avances mm/rev. Feed / Pas | | | | | | | | | |
|----------|-------|----------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Grupo | Sub. | Zirconio | Ø2 | Ø3 | Ø4 | Ø5 | Ø6 | Ø8 | Ø10 | Ø12 | Ø16 | |
| 1 | 1.1 | 33-40 | 0,045 | 0,055 | 0,070 | 0,080 | 0,100 | 0,120 | 0,150 | 0,160 | 0,180 | |
| | 3.1 | 40-45 | 0,060 | 0,090 | 0,100 | 0,120 | 0,150 | 0,180 | 0,210 | 0,250 | 0,300 | |
| 3 | 3.2 | 33-40 | 0,050 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,170 | 0,200 | 0,240 | |
| | 6.1 | 80-105 | 0,080 | 0,110 | 0,130 | 0,150 | 0,190 | 0,220 | 0,260 | 0,320 | 0,380 | |
| 6.2 | 0,080 | | 0,110 | 0,130 | 0,150 | 0,190 | 0,220 | 0,260 | 0,320 | 0,380 | | |
| 6 | 6.3 | 50-65 | 0,060 | 0,090 | 0,100 | 0,120 | 0,150 | 0,180 | 0,210 | 0,250 | 0,300 | |

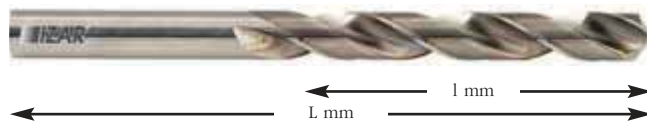
Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{\pi \times \phi}$

| Codice | Ø mm h8 | L mm | l mm | HSS € |
|------------|---------|------|------|-------|
| 1015001 | 1,00 | 34 | 12 | 10 |
| 1015001,1 | 1,10 | 36 | 14 | 10 |
| 1015001,2 | 1,20 | 38 | 16 | 10 |
| 1015001,3 | 1,30 | 38 | 16 | 10 |
| 1015001,4 | 1,40 | 40 | 18 | 10 |
| 1015001,5 | 1,50 | 40 | 18 | 10 |
| 1015001,6 | 1,60 | 43 | 20 | 10 |
| 1015001,7 | 1,70 | 43 | 20 | 10 |
| 1015001,8 | 1,80 | 46 | 22 | 10 |
| 1015001,9 | 1,90 | 46 | 22 | 10 |
| 1015002 | 2,00 | 49 | 24 | 10 |
| 1015002,1 | 2,10 | 49 | 24 | 10 |
| 1015002,2 | 2,20 | 53 | 27 | 10 |
| 1015002,3 | 2,30 | 53 | 27 | 10 |
| 1015002,4 | 2,40 | 57 | 30 | 10 |
| 1015002,5 | 2,50 | 57 | 30 | 10 |
| 1015002,6 | 2,60 | 57 | 30 | 10 |
| 1015002,7 | 2,70 | 61 | 33 | 10 |
| 1015002,8 | 2,80 | 61 | 33 | 10 |
| 1015002,9 | 2,90 | 61 | 33 | 10 |
| 1015003 | 3,00 | 61 | 33 | 10 |
| 1015003,1 | 3,10 | 65 | 36 | 10 |
| 1015003,2 | 3,20 | 65 | 36 | 10 |
| 1015003,25 | 3,25 | 65 | 36 | 10 |
| 1015003,3 | 3,30 | 65 | 36 | 10 |
| 1015003,4 | 3,40 | 70 | 39 | 10 |
| 1015003,5 | 3,50 | 70 | 39 | 10 |
| 1015003,6 | 3,60 | 70 | 39 | 10 |
| 1015003,7 | 3,70 | 70 | 39 | 10 |
| 1015003,8 | 3,80 | 75 | 43 | 10 |
| 1015003,9 | 3,90 | 75 | 43 | 10 |
| 1015004 | 4,00 | 75 | 43 | 10 |
| 1015004,1 | 4,10 | 75 | 43 | 10 |
| 1015004,2 | 4,20 | 75 | 43 | 10 |
| 1015004,25 | 4,25 | 75 | 43 | 10 |
| 1015004,3 | 4,30 | 80 | 47 | 10 |
| 1015004,4 | 4,40 | 80 | 47 | 10 |
| 1015004,5 | 4,50 | 80 | 47 | 10 |
| 1015004,6 | 4,60 | 80 | 47 | 10 |
| 1015004,7 | 4,70 | 80 | 47 | 10 |
| 1015004,8 | 4,80 | 86 | 52 | 10 |
| 1015004,9 | 4,90 | 86 | 52 | 10 |
| 1015005 | 5,00 | 86 | 52 | 10 |
| 1015005,1 | 5,10 | 86 | 52 | 10 |
| 1015005,2 | 5,20 | 86 | 52 | 10 |
| 1015005,3 | 5,30 | 86 | 52 | 10 |
| 1015005,4 | 5,40 | 93 | 57 | 10 |
| 1015005,5 | 5,50 | 93 | 57 | 10 |
| 1015005,6 | 5,60 | 93 | 57 | 10 |
| 1015005,7 | 5,70 | 93 | 57 | 10 |
| 1015005,8 | 5,80 | 93 | 57 | 10 |
| 1015005,9 | 5,90 | 93 | 57 | 10 |
| 1015006 | 6,00 | 93 | 57 | 10 |
| 1015006,1 | 6,10 | 101 | 63 | 10 |
| 1015006,2 | 6,20 | 101 | 63 | 10 |
| 1015006,3 | 6,30 | 101 | 63 | 10 |
| 1015006,4 | 6,40 | 101 | 63 | 10 |
| 1015006,5 | 6,50 | 101 | 63 | 10 |
| 1015006,6 | 6,60 | 101 | 63 | 10 |
| 1015006,7 | 6,70 | 101 | 63 | 10 |
| 1015006,8 | 6,80 | 109 | 69 | 10 |
| 1015006,9 | 6,90 | 109 | 69 | 10 |

| Codice | Ø mm h8 | L mm | l mm | HSS € |
|-----------|---------|------|------|-------|
| 1015007 | 7,00 | 109 | 69 | 10 |
| 1015007,1 | 7,10 | 109 | 69 | 10 |
| 1015007,2 | 7,20 | 109 | 69 | 10 |
| 1015007,3 | 7,30 | 109 | 69 | 10 |
| 1015007,4 | 7,40 | 109 | 69 | 10 |
| 1015007,5 | 7,50 | 109 | 69 | 10 |
| 1015007,6 | 7,60 | 117 | 75 | 10 |
| 1015007,7 | 7,70 | 117 | 75 | 10 |
| 1015007,8 | 7,80 | 117 | 75 | 10 |
| 1015007,9 | 7,90 | 117 | 75 | 10 |
| 1015008 | 8,00 | 117 | 75 | 10 |
| 1015008,1 | 8,10 | 117 | 75 | 5 |
| 1015008,2 | 8,20 | 117 | 75 | 5 |
| 1015008,3 | 8,30 | 117 | 75 | 5 |
| 1015008,4 | 8,40 | 117 | 75 | 5 |
| 1015008,5 | 8,50 | 117 | 75 | 5 |
| 1015008,6 | 8,60 | 125 | 81 | 5 |
| 1015008,7 | 8,70 | 125 | 81 | 5 |
| 1015008,8 | 8,80 | 125 | 81 | 5 |
| 1015008,9 | 8,90 | 125 | 81 | 5 |
| 1015009 | 9,00 | 125 | 81 | 5 |
| 1015009,1 | 9,10 | 125 | 81 | 5 |
| 1015009,2 | 9,20 | 125 | 81 | 5 |
| 1015009,3 | 9,30 | 125 | 81 | 5 |
| 1015009,4 | 9,40 | 125 | 81 | 5 |
| 1015009,5 | 9,50 | 125 | 81 | 5 |
| 1015009,6 | 9,60 | 133 | 87 | 5 |
| 1015009,7 | 9,70 | 133 | 87 | 5 |
| 1015009,8 | 9,80 | 133 | 87 | 5 |
| 1015009,9 | 9,90 | 133 | 87 | 5 |
| 1015010 | 10,00 | 133 | 87 | 5 |
| 1015010,1 | 10,10 | 133 | 87 | 5 |
| 1015010,2 | 10,20 | 133 | 87 | 5 |
| 1015010,3 | 10,30 | 133 | 87 | 5 |
| 1015010,4 | 10,40 | 133 | 87 | 5 |
| 1015010,5 | 10,50 | 133 | 87 | 5 |
| 1015010,6 | 10,60 | 133 | 87 | 5 |
| 1015010,7 | 10,70 | 142 | 94 | 5 |
| 1015010,8 | 10,80 | 142 | 94 | 5 |
| 1015010,9 | 10,90 | 172 | 94 | 5 |
| 1015011 | 11,00 | 142 | 94 | 5 |
| 1015011,1 | 11,10 | 142 | 94 | 5 |
| 1015011,2 | 11,20 | 142 | 94 | 5 |
| 1015011,3 | 11,30 | 142 | 94 | 5 |
| 1015011,4 | 11,40 | 142 | 94 | 5 |
| 1015011,5 | 11,50 | 142 | 94 | 5 |
| 1015011,6 | 11,60 | 172 | 94 | 5 |
| 1015011,7 | 11,70 | 142 | 94 | 5 |
| 1015011,8 | 11,80 | 142 | 94 | 5 |
| 1015011,9 | 11,90 | 151 | 101 | 5 |
| 1015012 | 12,00 | 151 | 101 | 5 |
| 1015012,1 | 12,10 | 151 | 101 | 5 |
| 1015012,2 | 12,20 | 151 | 101 | 5 |
| 1015012,3 | 12,30 | 151 | 101 | 5 |
| 1015012,4 | 12,40 | 151 | 101 | 5 |
| 1015012,5 | 12,50 | 151 | 101 | 5 |
| 1015012,6 | 12,60 | 151 | 101 | 5 |
| 1015012,7 | 12,70 | 151 | 101 | 5 |
| 1015012,8 | 12,80 | 151 | 101 | 5 |
| 1015012,9 | 12,90 | 151 | 101 | 5 |
| 1015013 | 13,00 | 151 | 101 | 5 |

Punte Elicoidali Serie Corta



ref. **1013**
IZARPLUS

HSS
DIN 338 N

Rettif.
Finitura Bianca

< 850 N/mm²
* DIN 1412 C ≥ ø 2 mm.
* DIN 1412 C ≥ ø 2 mm.



1 Nuovo disegno Affilatura Split Point. Facilita la foratura e riduce il consumo. Ideale per trapani portatili.

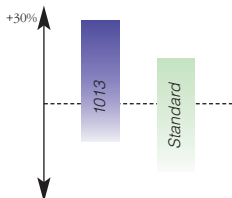


4

Accurato Grado di Finitura: Attenzione Speciale alla Qualità Generale del Prodotto.

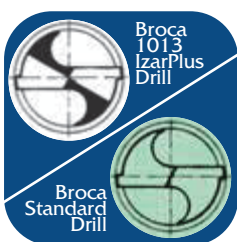


2 Geometria speciale della punta: Migliore Penetrazione=> Minora Tempo di Lavoro => Riduzione dei Costi



3

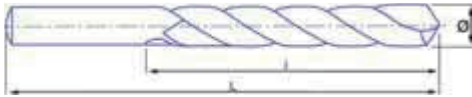
Disegno speciale dell'anima: Fora in condizioni difficili di Lavoro anche dopo la riaffilatura



| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1013001 | 1,00 | 34 | 12 | 10 | |
| 1013001,1 | 1,10 | 36 | 14 | 10 | |
| 1013001,5 | 1,50 | 40 | 18 | 10 | |
| 1013002 | 2,00 | 49 | 24 | 10 | |
| 1013002,5 | 2,50 | 57 | 30 | 10 | |
| 1013002,7 | 2,70 | 61 | 33 | 10 | |
| 1013002,75 | 2,75 | 61 | 33 | 10 | |
| 1013002,8 | 2,80 | 61 | 33 | 10 | |
| 1013003 | 3,00 | 61 | 33 | 10 | |
| 1013003,1 | 3,10 | 65 | 36 | 10 | |
| 1013003,2 | 3,20 | 65 | 36 | 10 | |
| 1013003,25 | 3,25 | 65 | 36 | 10 | |
| 1013003,3 | 3,30 | 65 | 36 | 10 | |
| 1013003,4 | 3,40 | 70 | 39 | 10 | |
| 1013003,5 | 3,50 | 70 | 39 | 10 | |
| 1013003,6 | 3,60 | 70 | 39 | 10 | |
| 1013003,7 | 3,70 | 70 | 39 | 10 | |
| 1013003,75 | 3,75 | 70 | 39 | 10 | |
| 1013003,8 | 3,80 | 75 | 43 | 10 | |
| 1013003,9 | 3,90 | 75 | 43 | 10 | |
| 1013004 | 4,00 | 75 | 43 | 10 | |
| 1013004,1 | 4,10 | 75 | 43 | 10 | |
| 1013004,2 | 4,20 | 75 | 43 | 10 | |
| 1013004,25 | 4,25 | 75 | 43 | 10 | |
| 1013004,3 | 4,30 | 80 | 47 | 10 | |
| 1013004,4 | 4,40 | 80 | 47 | 10 | |
| 1013004,5 | 4,50 | 80 | 47 | 10 | |
| 1013004,7 | 4,70 | 80 | 47 | 10 | |
| 1013004,75 | 4,75 | 80 | 47 | 10 | |
| 1013004,8 | 4,80 | 86 | 52 | 10 | |
| 1013004,9 | 4,90 | 86 | 52 | 10 | |
| 1013005 | 5,00 | 86 | 52 | 10 | |
| 1013005,1 | 5,10 | 86 | 52 | 10 | |
| 1013005,2 | 5,20 | 86 | 52 | 10 | |
| 1013005,25 | 5,25 | 86 | 52 | 10 | |
| 1013005,3 | 5,30 | 86 | 52 | 10 | |
| 1013005,5 | 5,50 | 93 | 57 | 10 | |
| 1013005,75 | 5,75 | 93 | 57 | 10 | |
| 1013005,9 | 5,90 | 93 | 57 | 10 | |
| 1013006 | 6,00 | 93 | 57 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1013006,1 | 6,10 | 101 | 63 | 10 | |
| 1013006,2 | 6,20 | 101 | 63 | 10 | |
| 1013006,25 | 6,25 | 101 | 63 | 10 | |
| 1013006,5 | 6,50 | 101 | 63 | 10 | |
| 1013006,7 | 6,70 | 101 | 63 | 10 | |
| 1013006,75 | 6,75 | 109 | 69 | 10 | |
| 1013006,8 | 6,80 | 109 | 69 | 10 | |
| 1013007 | 7,00 | 109 | 69 | 10 | |
| 1013007,4 | 7,40 | 109 | 69 | 10 | |
| 1013007,5 | 7,50 | 109 | 69 | 10 | |
| 1013007,75 | 7,75 | 117 | 75 | 10 | |
| 1013007,8 | 7,80 | 117 | 75 | 10 | |
| 1013007,9 | 7,90 | 117 | 75 | 10 | |
| 1013008 | 8,00 | 117 | 75 | 10 | |
| 1013008,2 | 8,20 | 117 | 75 | 10 | |
| 1013008,3 | 8,30 | 117 | 75 | 10 | |
| 1013008,5 | 8,50 | 117 | 75 | 10 | |
| 1013008,6 | 8,60 | 125 | 81 | 10 | |
| 1013008,8 | 8,80 | 125 | 81 | 10 | |
| 1013009 | 9,00 | 125 | 81 | 10 | |
| 1013009,5 | 9,50 | 125 | 81 | 10 | |
| 1013009,9 | 9,90 | 133 | 87 | 10 | |
| 1013010 | 10,00 | 133 | 87 | 10 | |
| 1013010,1 | 10,10 | 133 | 87 | 5 | |
| 1013010,2 | 10,20 | 133 | 87 | 5 | |
| 1013010,3 | 10,30 | 133 | 87 | 5 | |
| 1013010,5 | 10,50 | 133 | 87 | 5 | |
| 1013010,7 | 10,70 | 142 | 94 | 5 | |
| 1013011 | 11,00 | 142 | 94 | 5 | |
| 1013011,5 | 11,50 | 142 | 94 | 5 | |
| 1013011,7 | 11,70 | 142 | 94 | 5 | |
| 1013012 | 12,00 | 151 | 101 | 5 | |
| 1013012,3 | 12,30 | 151 | 101 | 5 | |
| 1013012,5 | 12,50 | 151 | 101 | 5 | |
| 1013012,7 | 12,70 | 151 | 101 | 5 | |
| 1013013 | 13,00 | 151 | 101 | 5 | |
| 1013014 | 14,00 | 160 | 108 | 1 | |
| 1013015 | 15,00 | 169 | 114 | 1 | |

Punte Gambo 3 piani HSSE Co 5%



HSSE
5%Co

DIN
338 W

135°

40°



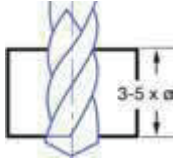
DIN
1412 C
≥ 2 mm

Blue+
Gold
Finish
≥ 3 mm

≥ 4 mm



ref.
1021
Multi INOX



Chapa
< 5 mm

| Material | Vc | Avances mm/rev. Feed | | | | | | | | |
|----------|-----|----------------------|-------|-------|-------|-------|-------|-------|-------|--|
| | | Ø 2 | Ø 3 | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | |
| 1 | 1.1 | 0.045 | 0.055 | 0.070 | 0.080 | 0.100 | 0.120 | 0.150 | 0.160 | |
| | 2.1 | 0.030 | 0.040 | 0.050 | 0.060 | 0.070 | 0.090 | 0.100 | 0.120 | |
| 2 | 2.2 | 0.030 | 0.040 | 0.050 | 0.060 | 0.070 | 0.090 | 0.100 | 0.120 | |
| | 5.1 | 0.050 | 0.070 | 0.080 | 0.100 | 0.120 | 0.140 | 0.170 | 0.200 | |
| 5 | 5.2 | 0.060 | 0.090 | 0.100 | 0.120 | 0.150 | 0.180 | 0.210 | 0.250 | |
| | 6.1 | 0.080 | 0.110 | 0.130 | 0.150 | 0.190 | 0.220 | 0.260 | 0.320 | |
| 6 | 6.2 | 0.080 | 0.110 | 0.130 | 0.150 | 0.190 | 0.220 | 0.260 | 0.320 | |
| | 6.3 | 0.060 | 0.090 | 0.100 | 0.120 | 0.150 | 0.180 | 0.210 | 0.250 | |

Gambo 3 piani

Elica 40°

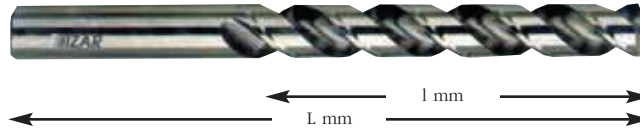
Affilatura 135°

**Trattamento
superficiale
Gold Finish**

| Cod. | Ø mm h8 | L mm | l mm | IZAR | € |
|-----------|---------|------|------|------|---|
| 1021002 | 2,00 | 49 | 24 | 10 | |
| 1021002,5 | 2,50 | 57 | 30 | 10 | |
| 1021003 | 3,00 | 61 | 33 | 10 | |
| 1021003,2 | 3,20 | 65 | 36 | 10 | |
| 1021003,3 | 3,30 | 65 | 36 | 10 | |
| 1021003,5 | 3,50 | 70 | 39 | 10 | |
| 1021004 | 4,00 | 75 | 43 | 10 | |
| 1021004,2 | 4,20 | 75 | 43 | 10 | |
| 1021004,5 | 4,50 | 80 | 47 | 10 | |
| 1021005 | 5,00 | 86 | 52 | 10 | |
| 1021005,5 | 5,50 | 93 | 57 | 10 | |
| 1021006 | 6,00 | 93 | 57 | 10 | |
| 1021006,5 | 6,50 | 101 | 63 | 5 | |
| 1021006,8 | 6,80 | 109 | 69 | 5 | |

| Cod. | Ø mm h8 | L mm | l mm | IZAR | € |
|-----------|---------|------|------|------|---|
| 1021007 | 7,00 | 109 | 69 | 5 | |
| 1021007,5 | 7,50 | 109 | 69 | 5 | |
| 1021008 | 8,00 | 117 | 75 | 5 | |
| 1021008,5 | 8,50 | 117 | 75 | 5 | |
| 1021009 | 9,00 | 125 | 81 | 5 | |
| 1021009,5 | 9,50 | 125 | 81 | 5 | |
| 1021010 | 10,00 | 133 | 87 | 5 | |
| 1021010,2 | 10,20 | 133 | 87 | 1 | |
| 1021010,5 | 10,50 | 133 | 87 | 1 | |
| 1021011 | 11,00 | 142 | 94 | 1 | |
| 1021011,5 | 11,50 | 142 | 94 | 1 | |
| 1021012 | 12,00 | 151 | 101 | 1 | |
| 1021012,5 | 12,50 | 151 | 101 | 1 | |
| 1021013 | 13,00 | 151 | 101 | 1 | |

Punte Elicoidali Serie Corta



ref. 1014

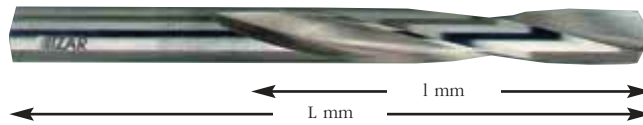
* DIN 1412 tipo C
desde \varnothing 2 mm.

* DIN 1412 C
type from \varnothing 2 mm.




| Codice | \varnothing mm h8 | L mm | l mm | | HSS € |
|------------|------------------------|---------|---------|----|----------|
| 1014001 | 1,00 | 34 | 12 | 10 | |
| 1014001,25 | 1,25 | 38 | 16 | 10 | |
| 1014001,5 | 1,50 | 40 | 18 | 10 | |
| 1014002 | 2,00 | 49 | 24 | 10 | |
| 1014002,25 | 2,25 | 53 | 27 | 10 | |
| 1014002,5 | 2,50 | 57 | 30 | 10 | |
| 1014002,75 | 2,75 | 61 | 33 | 10 | |
| 1014003 | 3,00 | 61 | 33 | 10 | |
| 1014003,2 | 3,20 | 65 | 36 | 10 | |
| 1014003,25 | 3,25 | 65 | 36 | 10 | |
| 1014003,3 | 3,30 | 65 | 36 | 10 | |
| 1014003,5 | 3,50 | 70 | 39 | 10 | |
| 1014003,75 | 3,75 | 70 | 39 | 10 | |
| 1014004 | 4,00 | 75 | 43 | 10 | |
| 1014004,1 | 4,10 | 75 | 43 | 10 | |
| 1014004,2 | 4,20 | 75 | 43 | 10 | |
| 1014004,25 | 4,25 | 75 | 43 | 10 | |
| 1014004,5 | 4,50 | 80 | 47 | 10 | |
| 1014004,75 | 4,75 | 80 | 47 | 10 | |
| 1014005 | 5,00 | 86 | 52 | 10 | |
| 1014005,1 | 5,10 | 86 | 52 | 10 | |
| 1014005,25 | 5,25 | 86 | 52 | 10 | |
| 1014005,5 | 5,50 | 93 | 57 | 10 | |
| 1014005,75 | 5,75 | 93 | 57 | 10 | |
| 1014006 | 6,00 | 93 | 57 | 10 | |
| 1014006,25 | 6,25 | 101 | 63 | 10 | |
| 1014006,5 | 6,50 | 101 | 63 | 10 | |
| 1014006,75 | 6,75 | 109 | 69 | 10 | |
| 1014006,8 | 6,80 | 109 | 69 | 10 | |
| 1014007 | 7,00 | 109 | 69 | 10 | |
| 1014007,25 | 7,25 | 109 | 69 | 10 | |
| 1014007,5 | 7,50 | 109 | 69 | 10 | |
| 1014008 | 8,00 | 117 | 75 | 10 | |
| 1014008,25 | 8,25 | 117 | 75 | 5 | |
| 1014008,5 | 8,50 | 117 | 75 | 5 | |
| 1014009 | 9,00 | 125 | 81 | 5 | |
| 1014009,5 | 9,50 | 125 | 81 | 5 | |
| 1014010 | 10,00 | 133 | 87 | 5 | |
| 1014010,5 | 10,50 | 133 | 87 | 5 | |
| 1014011 | 11,00 | 142 | 94 | 5 | |
| 1014011,5 | 11,50 | 142 | 94 | 5 | |
| 1014012 | 12,00 | 151 | 101 | 5 | |
| 1014012,5 | 12,50 | 151 | 101 | 5 | |
| 1014013 | 13,00 | 151 | 101 | 5 | |

Punte Elicoidali Serie Corta



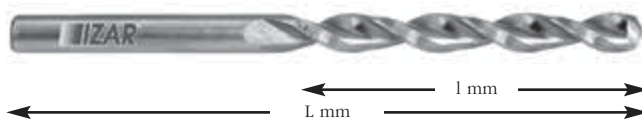
ref. **1012**



| Codice | Ø mm h8 | L mm | l mm |  | HSS € |
|------------|------------|---------|---------|---|----------|
| 1012001 | 1,00 | 34 | 12 | 10 | |
| 1012001,25 | 1,25 | 38 | 16 | 10 | |
| 1012001,5 | 1,50 | 40 | 18 | 10 | |
| 1012002 | 2,00 | 49 | 24 | 10 | |
| 1012002,25 | 2,25 | 53 | 27 | 10 | |
| 1012002,5 | 2,50 | 57 | 30 | 10 | |
| 1012002,75 | 2,75 | 61 | 33 | 10 | |
| 1012003 | 3,00 | 61 | 33 | 10 | |
| 1012003,25 | 3,25 | 65 | 36 | 10 | |
| 1012003,5 | 3,50 | 70 | 39 | 10 | |
| 1012003,75 | 3,75 | 70 | 39 | 10 | |
| 1012004 | 4,00 | 75 | 43 | 10 | |
| 1012004,25 | 4,25 | 75 | 43 | 10 | |
| 1012004,5 | 4,50 | 80 | 47 | 10 | |
| 1012004,75 | 4,75 | 80 | 47 | 10 | |
| 1012005 | 5,00 | 86 | 52 | 10 | |
| 1012005,25 | 5,25 | 86 | 52 | 10 | |
| 1012005,5 | 5,50 | 93 | 57 | 10 | |
| 1012005,75 | 5,75 | 93 | 57 | 10 | |
| 1012006 | 6,00 | 93 | 57 | 10 | |
| 1012006,25 | 6,25 | 101 | 63 | 10 | |
| 1012006,5 | 6,50 | 101 | 63 | 10 | |
| 1012006,75 | 6,75 | 109 | 69 | 10 | |
| 1012007 | 7,00 | 109 | 69 | 10 | |
| 1012007,25 | 7,25 | 109 | 69 | 10 | |
| 1012007,5 | 7,50 | 109 | 69 | 10 | |
| 1012008 | 8,00 | 117 | 75 | 10 | |
| 1012008,25 | 8,25 | 117 | 75 | 5 | |
| 1012008,5 | 8,50 | 117 | 75 | 5 | |
| 1012009 | 9,00 | 125 | 81 | 5 | |
| 1012009,5 | 9,50 | 125 | 81 | 5 | |
| 1012010 | 10,00 | 133 | 87 | 5 | |
| 1012010,5 | 10,50 | 133 | 87 | 5 | |
| 1012011 | 11,00 | 142 | 94 | 5 | |
| 1012011,5 | 11,50 | 142 | 94 | 5 | |
| 1012012 | 12,00 | 151 | 101 | 5 | |
| 1012012,5 | 12,50 | 151 | 101 | 5 | |
| 1012013 | 13,00 | 151 | 101 | 5 | |



Punte Elicoidali Serie Corta



ref. **1000**
IZARPLUS



Punta specificatamente sviluppata per fori profondi ($L \leq 10 \times \varnothing$ Punta) in acciaio fino a 1.300 N/mm², Alluminio, Rame, Acciaio (Austenico L max. $\leq 3 \times \varnothing$ Punta), Plastica...



1

Nuovo disegno con Split Point: Filo Corretto che facilita l'esecuzione del foro => Riduzione del Consumo. Disegno speciale a "U": Ridotto rischio di rottura del filo di taglio.

Filo Corretto a "U" che corregge le differenze di altezze di taglio: Garanzia di Contatto uguale per ambo i taglienti => Miglioramento della Qualità e Precisione del foro.



2

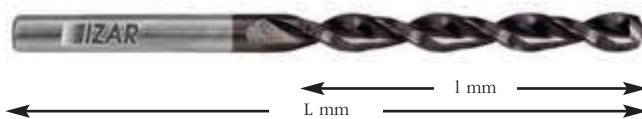
3



Le combinazioni del filo corretto a "U" + Profilo Parabolico "S": Facilitano il flusso di estrazione del truciolo.

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1000002 | 2,00 | 49 | 24 | 10 | |
| 1000002,1 | 2,10 | 49 | 24 | 10 | |
| 1000002,3 | 2,30 | 53 | 27 | 10 | |
| 1000002,5 | 2,50 | 57 | 30 | 10 | |
| 1000002,7 | 2,70 | 61 | 33 | 10 | |
| 1000002,75 | 2,75 | 61 | 33 | 10 | |
| 1000003 | 3,00 | 61 | 33 | 10 | |
| 1000003,1 | 3,10 | 65 | 36 | 10 | |
| 1000003,2 | 3,20 | 65 | 36 | 10 | |
| 1000003,25 | 3,25 | 65 | 36 | 10 | |
| 1000003,3 | 3,30 | 65 | 36 | 10 | |
| 1000003,5 | 3,50 | 70 | 39 | 10 | |
| 1000003,6 | 3,60 | 70 | 39 | 10 | |
| 1000003,7 | 3,70 | 70 | 39 | 10 | |
| 1000003,75 | 3,75 | 70 | 39 | 10 | |
| 1000003,9 | 3,90 | 75 | 43 | 10 | |
| 1000004 | 4,00 | 75 | 43 | 10 | |
| 1000004,1 | 4,10 | 75 | 43 | 10 | |
| 1000004,2 | 4,20 | 75 | 43 | 10 | |
| 1000004,25 | 4,25 | 75 | 43 | 10 | |
| 1000004,3 | 4,30 | 80 | 47 | 10 | |
| 1000004,4 | 4,40 | 80 | 47 | 10 | |
| 1000004,5 | 4,50 | 80 | 47 | 10 | |
| 1000004,7 | 4,70 | 80 | 47 | 10 | |
| 1000004,75 | 4,75 | 80 | 47 | 10 | |
| 1000004,8 | 4,80 | 86 | 52 | 10 | |
| 1000005 | 5,00 | 86 | 52 | 10 | |
| 1000005,1 | 5,10 | 86 | 52 | 10 | |
| 1000005,2 | 5,20 | 86 | 52 | 10 | |
| 1000005,25 | 5,25 | 86 | 52 | 10 | |
| 1000005,3 | 5,30 | 86 | 52 | 10 | |
| 1000005,5 | 5,50 | 93 | 57 | 10 | |
| 1000005,6 | 5,60 | 93 | 57 | 10 | |
| 1000005,75 | 5,75 | 93 | 57 | 10 | |
| 1000005,8 | 5,80 | 93 | 57 | 10 | |
| 1000005,9 | 5,90 | 93 | 57 | 10 | |
| 1000006 | 6,00 | 93 | 57 | 10 | |
| 1000006,2 | 6,20 | 101 | 63 | 10 | |
| 1000006,5 | 6,50 | 101 | 63 | 10 | |
| 1000006,8 | 6,80 | 109 | 69 | 10 | |
| 1000007 | 7,00 | 109 | 69 | 10 | |
| 1000007,2 | 7,20 | 109 | 69 | 10 | |
| 1000007,5 | 7,50 | 109 | 69 | 10 | |
| 1000008 | 8,00 | 117 | 75 | 10 | |
| 1000008,2 | 8,20 | 117 | 75 | 5 | |
| 1000008,5 | 8,50 | 117 | 75 | 5 | |
| 1000008,8 | 8,80 | 125 | 81 | 5 | |
| 1000009 | 9,00 | 125 | 81 | 5 | |
| 1000009,5 | 9,50 | 125 | 81 | 5 | |
| 1000009,8 | 9,80 | 133 | 87 | 5 | |
| 1000010 | 10,00 | 133 | 87 | 5 | |
| 1000010,5 | 10,50 | 133 | 87 | 5 | |
| 1000011 | 11,00 | 142 | 94 | 5 | |
| 1000011,5 | 11,50 | 142 | 94 | 5 | |
| 1000012 | 12,00 | 151 | 101 | 5 | |
| 1000013 | 13,00 | 151 | 101 | 5 | |

Punte Elicoidali Serie Corta



ref. **1000**
IZARPLUS



Punta specificatamente sviluppata per fori profondi ($L \leq 10 \times \varnothing$ Punta) in acciaio fino a 1.300 N/mm², Alluminio, Rame, Acciaio (Austenico L max. $\leq 3 \times \varnothing$ Punta), Plastica...



1



Nuovo disegno con Split Point: Filo Corretto che facilita l'esecuzione del foro => Riduzione del Consumo. Disegno speciale a "U": Ridotto rischio di rottura del filo di taglio.

2

Filo Corretto a "U" che corregge le differenze di altezze di taglio: Garanzia di Contatto uguale per ambo i taglienti => Miglioramento della Qualità e Precisione del foro.



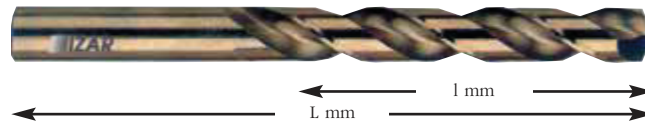
3



Le combinazioni del filo corretto a "U" + Profilo Parabolico "S": Facilitano il flusso di estrazione del truciolo.

| Codice | Ø mm h8 | L mm | l mm | TIALN € |
|--------------|---------|------|------|---------|
| 1000TC002 | 2,00 | 49 | 24 | 10 |
| 1000TC002,1 | 2,10 | 49 | 24 | 10 |
| 1000TC002,3 | 2,30 | 53 | 27 | 10 |
| 1000TC002,5 | 2,50 | 57 | 30 | 10 |
| 1000TC002,7 | 2,70 | 61 | 33 | 10 |
| 1000TC002,75 | 2,75 | 61 | 33 | 10 |
| 1000TC003 | 3,00 | 61 | 33 | 10 |
| 1000TC003,1 | 3,10 | 65 | 36 | 10 |
| 1000TC003,2 | 3,20 | 65 | 36 | 10 |
| 1000TC003,25 | 3,25 | 65 | 36 | 10 |
| 1000TC003,3 | 3,30 | 65 | 36 | 10 |
| 1000TC003,5 | 3,50 | 70 | 39 | 10 |
| 1000TC003,6 | 3,60 | 70 | 39 | 10 |
| 1000TC003,7 | 3,70 | 70 | 39 | 10 |
| 1000TC003,75 | 3,75 | 70 | 39 | 10 |
| 1000TC003,9 | 3,90 | 75 | 43 | 10 |
| 1000TC004 | 4,00 | 75 | 43 | 10 |
| 1000TC004,1 | 4,10 | 75 | 43 | 10 |
| 1000TC004,2 | 4,20 | 75 | 43 | 10 |
| 1000TC004,25 | 4,25 | 75 | 43 | 10 |
| 1000TC004,3 | 4,30 | 80 | 47 | 10 |
| 1000TC004,4 | 4,40 | 80 | 47 | 10 |
| 1000TC004,5 | 4,50 | 80 | 47 | 10 |
| 1000TC004,7 | 4,70 | 80 | 47 | 10 |
| 1000TC004,75 | 4,75 | 80 | 47 | 10 |
| 1000TC004,8 | 4,80 | 86 | 52 | 10 |
| 1000TC005 | 5,00 | 86 | 52 | 10 |
| 1000TC005,1 | 5,10 | 86 | 52 | 10 |
| 1000TC005,2 | 5,20 | 86 | 52 | 10 |
| 1000TC005,25 | 5,25 | 86 | 52 | 10 |
| 1000TC005,3 | 5,30 | 86 | 52 | 10 |
| 1000TC005,5 | 5,50 | 93 | 57 | 10 |
| 1000TC005,6 | 5,60 | 93 | 57 | 10 |
| 1000TC005,75 | 5,75 | 93 | 57 | 10 |
| 1000TC005,8 | 5,80 | 93 | 57 | 10 |
| 1000TC005,9 | 5,90 | 93 | 57 | 10 |
| 1000TC006 | 6,00 | 93 | 57 | 10 |
| 1000TC006,2 | 6,20 | 101 | 63 | 10 |
| 1000TC006,5 | 6,50 | 101 | 63 | 10 |
| 1000TC006,8 | 6,80 | 109 | 69 | 10 |
| 1000TC007 | 7,00 | 109 | 69 | 10 |
| 1000TC007,2 | 7,20 | 109 | 69 | 10 |
| 1000TC007,5 | 7,50 | 109 | 69 | 10 |
| 1000TC008 | 8,00 | 117 | 75 | 10 |
| 1000TC008,2 | 8,20 | 117 | 75 | 5 |
| 1000TC008,5 | 8,50 | 117 | 75 | 5 |
| 1000TC008,8 | 8,80 | 125 | 81 | 5 |
| 1000TC009 | 9,00 | 125 | 81 | 5 |
| 1000TC009,5 | 9,50 | 125 | 81 | 5 |
| 1000TC009,8 | 9,80 | 133 | 87 | 5 |
| 1000TC010 | 10,00 | 133 | 87 | 5 |
| 1000TC010,5 | 10,50 | 133 | 87 | 5 |
| 1000TC011 | 11,00 | 142 | 94 | 5 |
| 1000TC011,5 | 11,50 | 142 | 94 | 5 |
| 1000TC012 | 12,00 | 151 | 101 | 5 |
| 1000TC013 | 13,00 | 151 | 101 | 5 |

Punte Elicoidali Serie Corta Affilatura Split Point 135°



ref. **1016**

HSSE

DIN 338 N



Rettif.

Tratt. Gold Finish

> 850
≤ 1250
N/mm²

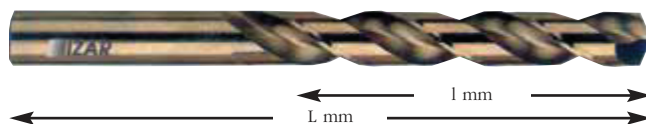
* DIN 1412 tipo C desde ø 2 mm.

* DIN 1412 C type from ø 2 mm.

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|------------|---------|------|------|----|--------|
| 1016001 | 1,00 | 34 | 12 | 10 | |
| 1016001,1 | 1,10 | 36 | 14 | 10 | |
| 1016001,2 | 1,20 | 38 | 16 | 10 | |
| 1016001,25 | 1,25 | 38 | 16 | 10 | |
| 1016001,3 | 1,30 | 38 | 16 | 10 | |
| 1016001,4 | 1,40 | 40 | 18 | 10 | |
| 1016001,55 | 1,50 | 40 | 18 | 10 | |
| 1016001,6 | 1,60 | 43 | 20 | 10 | |
| 1016001,7 | 1,70 | 43 | 20 | 10 | |
| 1016001,75 | 1,75 | 46 | 22 | 10 | |
| 1016001,8 | 1,80 | 46 | 22 | 10 | |
| 1016001,9 | 1,90 | 46 | 22 | 10 | |
| 1016002 | 2,00 | 49 | 24 | 10 | |
| 1016002,1 | 2,10 | 49 | 24 | 10 | |
| 1016002,2 | 2,20 | 53 | 27 | 10 | |
| 1016002,25 | 2,25 | 53 | 27 | 10 | |
| 1016002,3 | 2,30 | 53 | 27 | 10 | |
| 1016002,4 | 2,40 | 57 | 30 | 10 | |
| 1016002,5 | 2,50 | 57 | 30 | 10 | |
| 1016002,6 | 2,60 | 57 | 30 | 10 | |
| 1016002,7 | 2,70 | 61 | 33 | 10 | |
| 1016002,75 | 2,75 | 61 | 33 | 10 | |
| 1016002,8 | 2,80 | 61 | 33 | 10 | |
| 1016002,9 | 2,90 | 61 | 33 | 10 | |
| 1016003 | 3,00 | 61 | 33 | 10 | |
| 1016003,1 | 3,10 | 65 | 36 | 10 | |
| 1016003,2 | 3,20 | 65 | 36 | 10 | |
| 1016003,25 | 3,25 | 65 | 36 | 10 | |
| 1016003,3 | 3,30 | 65 | 36 | 10 | |
| 1016003,4 | 3,40 | 70 | 39 | 10 | |
| 1016003,5 | 3,50 | 70 | 39 | 10 | |
| 1016003,6 | 3,60 | 70 | 39 | 10 | |
| 1016003,7 | 3,70 | 70 | 39 | 10 | |
| 1016003,75 | 3,75 | 70 | 39 | 10 | |
| 1016003,8 | 3,80 | 75 | 43 | 10 | |
| 1016003,9 | 3,90 | 75 | 43 | 10 | |
| 1016004 | 4,00 | 75 | 43 | 10 | |
| 1016004,1 | 4,10 | 75 | 43 | 10 | |
| 1016004,2 | 4,20 | 75 | 43 | 10 | |
| 1016004,25 | 4,25 | 75 | 43 | 10 | |
| 1016004,3 | 4,30 | 80 | 47 | 10 | |
| 1016004,4 | 4,40 | 80 | 47 | 10 | |
| 1016004,5 | 4,50 | 80 | 47 | 10 | |
| 1016004,6 | 4,60 | 80 | 47 | 10 | |
| 1016004,7 | 4,70 | 80 | 47 | 10 | |
| 1016004,75 | 4,75 | 80 | 47 | 10 | |
| 1016004,8 | 4,80 | 86 | 52 | 10 | |
| 1016004,9 | 4,90 | 86 | 52 | 10 | |
| 1016005 | 5,00 | 86 | 52 | 10 | |
| 1016005,1 | 5,10 | 86 | 52 | 10 | |
| 1016005,2 | 5,20 | 86 | 52 | 10 | |
| 1016005,25 | 5,25 | 86 | 52 | 10 | |
| 1016005,3 | 5,30 | 86 | 52 | 10 | |
| 1016005,4 | 5,40 | 93 | 57 | 10 | |
| 1016005,5 | 5,50 | 93 | 57 | 10 | |
| 1016005,6 | 5,60 | 93 | 57 | 10 | |
| 1016005,7 | 5,70 | 93 | 57 | 10 | |
| 1016005,75 | 5,75 | 93 | 57 | 10 | |
| 1016005,8 | 5,80 | 93 | 57 | 10 | |
| 1016005,9 | 5,90 | 93 | 57 | 10 | |
| 1016006 | 6,00 | 93 | 57 | 10 | |
| 1016006,1 | 6,10 | 101 | 63 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|------------|---------|------|------|----|--------|
| 1016006,2 | 6,20 | 101 | 63 | 10 | |
| 1016006,25 | 6,25 | 101 | 63 | 10 | |
| 1016006,3 | 6,30 | 101 | 63 | 10 | |
| 1016006,4 | 6,40 | 101 | 63 | 10 | |
| 1016006,5 | 6,50 | 101 | 63 | 10 | |
| 1016006,6 | 6,60 | 101 | 63 | 10 | |
| 1016006,7 | 6,70 | 101 | 63 | 10 | |
| 1016006,75 | 6,75 | 109 | 69 | 10 | |
| 1016006,8 | 6,80 | 109 | 69 | 10 | |
| 1016006,9 | 6,90 | 109 | 69 | 10 | |
| 1016007 | 7,00 | 109 | 69 | 10 | |
| 1016007,1 | 7,10 | 109 | 69 | 10 | |
| 1016007,2 | 7,20 | 109 | 69 | 10 | |
| 1016007,25 | 7,25 | 109 | 69 | 10 | |
| 1016007,3 | 7,30 | 109 | 69 | 10 | |
| 1016007,4 | 7,40 | 109 | 69 | 10 | |
| 1016007,5 | 7,50 | 109 | 69 | 10 | |
| 1016007,6 | 7,60 | 117 | 75 | 10 | |
| 1016007,7 | 7,70 | 117 | 75 | 10 | |
| 1016007,75 | 7,75 | 117 | 75 | 10 | |
| 1016007,8 | 7,80 | 117 | 75 | 10 | |
| 1016007,9 | 7,90 | 117 | 75 | 10 | |
| 1016008 | 8,00 | 117 | 75 | 10 | |
| 1016008,1 | 8,10 | 117 | 75 | 10 | |
| 1016008,2 | 8,20 | 117 | 75 | 10 | |
| 1016008,25 | 8,25 | 117 | 75 | 10 | |
| 1016008,3 | 8,30 | 117 | 75 | 10 | |
| 1016008,4 | 8,40 | 117 | 75 | 10 | |
| 1016008,5 | 8,50 | 117 | 75 | 10 | |
| 1016008,6 | 8,60 | 125 | 81 | 10 | |
| 1016008,7 | 8,70 | 125 | 81 | 10 | |
| 1016008,75 | 8,75 | 125 | 81 | 10 | |
| 1016008,8 | 8,80 | 125 | 81 | 10 | |
| 1016008,9 | 8,90 | 125 | 81 | 10 | |
| 1016009 | 9,00 | 125 | 81 | 10 | |
| 1016009,1 | 9,10 | 125 | 81 | 10 | |
| 1016009,2 | 9,20 | 125 | 81 | 10 | |
| 1016009,25 | 9,25 | 125 | 81 | 10 | |
| 1016009,3 | 9,30 | 125 | 81 | 10 | |
| 1016009,4 | 9,40 | 125 | 81 | 10 | |
| 1016009,5 | 9,50 | 125 | 81 | 10 | |
| 1016009,6 | 9,60 | 133 | 87 | 10 | |
| 1016009,7 | 9,70 | 133 | 87 | 10 | |
| 1016009,75 | 9,75 | 133 | 87 | 10 | |
| 1016009,8 | 9,80 | 133 | 87 | 10 | |
| 1016009,9 | 9,90 | 133 | 87 | 10 | |
| 1016010 | 10,00 | 133 | 87 | 10 | |
| 1016010,1 | 10,10 | 133 | 87 | 5 | |
| 1016010,2 | 10,20 | 133 | 87 | 5 | |
| 1016010,25 | 10,25 | 133 | 87 | 5 | |
| 1016010,3 | 10,30 | 133 | 87 | 5 | |
| 1016010,4 | 10,40 | 133 | 87 | 5 | |
| 1016010,5 | 10,50 | 133 | 87 | 5 | |
| 1016010,6 | 10,60 | 142 | 94 | 5 | |
| 1016010,7 | 10,70 | 142 | 94 | 5 | |
| 1016010,75 | 10,75 | 142 | 94 | 5 | |
| 1016010,8 | 10,80 | 142 | 94 | 5 | |
| 1016010,9 | 10,90 | 142 | 94 | 5 | |
| 1016011 | 11,00 | 142 | 94 | 5 | |
| 1016011,1 | 11,10 | 142 | 94 | 5 | |
| 1016011,2 | 11,20 | 142 | 94 | 5 | |
| 1016011,25 | 11,25 | 142 | 94 | 5 | |

Punte Elicoidali Serie Corta Affilatura Split Point 135°



ref. **1016**

HSSE

DIN 338 N



Rettif.

Tratt. Gold Finish

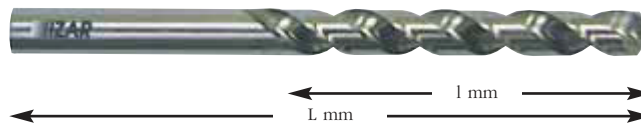
> 850
≤ 1250
N/mm²

* DIN 1412 tipo C desde ø 2 mm.

* DIN 1412 C type from ø 2 mm.

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|------------|------------|---------|---------|---|-----------|
| 1016011,3 | 11,30 | 142 | 94 | 5 | |
| 1016011,4 | 11,40 | 142 | 94 | 5 | |
| 1016011,5 | 11,50 | 142 | 94 | 5 | |
| 1016011,6 | 11,60 | 142 | 94 | 5 | |
| 1016011,7 | 11,70 | 142 | 94 | 5 | |
| 1016011,75 | 11,75 | 142 | 94 | 5 | |
| 1016011,8 | 11,80 | 142 | 94 | 5 | |
| 1016011,9 | 11,90 | 151 | 101 | 5 | |
| 1016012 | 12,00 | 151 | 101 | 5 | |
| 1016012,1 | 12,10 | 151 | 101 | 5 | |
| 1016012,2 | 12,20 | 151 | 101 | 5 | |
| 1016012,25 | 12,25 | 151 | 101 | 5 | |
| 1016012,3 | 12,30 | 151 | 101 | 5 | |
| 1016012,4 | 12,40 | 151 | 101 | 5 | |
| 1016012,5 | 12,50 | 151 | 101 | 5 | |
| 1016015,6 | 12,60 | 151 | 101 | 5 | |
| 1016012,7 | 12,70 | 151 | 101 | 5 | |
| 1016012,75 | 12,75 | 151 | 101 | 5 | |
| 1016012,8 | 12,80 | 151 | 101 | 5 | |
| 1016012,9 | 12,90 | 151 | 101 | 5 | |
| 1016013 | 13,00 | 151 | 101 | 5 | |
| 1016013,25 | 13,25* | 160 | 108 | 1 | |
| 1016013,5 | 13,50 | 160 | 108 | 1 | |
| 1016013,75 | 13,75* | 160 | 108 | 1 | |
| 1016014 | 14,00 | 160 | 108 | 1 | |
| 1016014,25 | 14,25 | 169 | 114 | 1 | |
| 1016014,5 | 14,50 | 169 | 114 | 1 | |
| 1016014,75 | 14,75 | 169 | 114 | 1 | |
| 1016015 | 15,00 | 169 | 114 | 1 | |
| 1016015,25 | 15,25 | 178 | 120 | 1 | |
| 1016015,5 | 15,50 | 178 | 120 | 1 | |
| 1016015,75 | 15,75 | 178 | 120 | 1 | |
| 1016016 | 16,00 | 178 | 120 | 1 | |
| 1016016,5 | 16,50 | 184 | 125 | 1 | |
| 1016017 | 17,00 | 184 | 125 | 1 | |
| 1016017,5 | 17,50 | 191 | 130 | 1 | |
| 1016018 | 18,00 | 191 | 130 | 1 | |
| 1016018,5 | 18,50 | 198 | 135 | 1 | |
| 1016019 | 19,00 | 198 | 135 | 1 | |
| 1016019,5 | 19,50 | 205 | 140 | 1 | |
| 1016020 | 20,00 | 205 | 140 | 1 | |

Punte Elicoidali Serie Corta



1020
IZARPLUS



1



Geometria dell'elica disegnata per lavorare Acciaio Inox Austenitico Serie 300. Elica 40°: migliore evaquazione del truciolo.

2



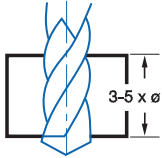
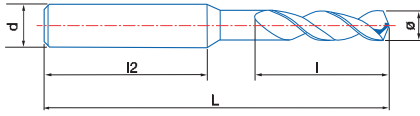
Affilatura autocentrante facilita la penetrazione con minimo sforzo.

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|------------|------------|---------|---------|----|-----------|
| 1020002 | 2,00* | 49 | 24 | 10 | |
| 1020002,25 | 2,25* | 53 | 27 | 10 | |
| 1020002,5 | 2,50* | 57 | 30 | 10 | |
| 1020002,75 | 2,75* | 61 | 33 | 10 | |
| 1020003 | 3,00 | 61 | 33 | 10 | |
| 1020003,1 | 3,10 | 65 | 36 | 10 | |
| 1020003,2 | 3,20 | 65 | 36 | 10 | |
| 1020003,25 | 3,25 | 65 | 36 | 10 | |
| 1020003,3 | 3,30 | 65 | 36 | 10 | |
| 1020003,5 | 3,50 | 70 | 39 | 10 | |
| 1020003,75 | 3,75 | 70 | 39 | 10 | |
| 1020004 | 4,00 | 75 | 43 | 10 | |
| 1020004,1 | 4,10 | 75 | 43 | 10 | |
| 1020004,2 | 4,20 | 75 | 43 | 10 | |
| 1020004,25 | 4,25 | 75 | 43 | 10 | |
| 1020004,5 | 4,50 | 80 | 47 | 10 | |
| 1020004,75 | 4,75 | 80 | 47 | 10 | |
| 1020005 | 5,00 | 86 | 52 | 10 | |
| 1020005,1 | 5,10 | 86 | 52 | 10 | |
| 1020005,25 | 5,25 | 86 | 52 | 10 | |
| 1020005,5 | 5,50 | 93 | 57 | 10 | |
| 1020005,75 | 5,75 | 93 | 57 | 10 | |
| 1020006 | 6,00 | 93 | 57 | 10 | |
| 1020006,25 | 6,25* | 101 | 63 | 10 | |
| 1020006,5 | 6,50 | 101 | 63 | 10 | |
| 1020006,75 | 6,75* | 109 | 69 | 10 | |
| 1020006,8 | 6,80 | 109 | 69 | 10 | |
| 1020007 | 7,00 | 109 | 69 | 10 | |
| 1020007,25 | 7,25* | 109 | 69 | 10 | |
| 1020007,5 | 7,50 | 109 | 69 | 10 | |
| 1020008 | 8,00 | 117 | 75 | 10 | |
| 1020008,25 | 8,25* | 117 | 75 | 10 | |
| 1020008,5 | 8,50 | 117 | 75 | 10 | |
| 1020009 | 9,00 | 125 | 81 | 10 | |
| 1020009,5 | 9,50 | 125 | 81 | 10 | |
| 1020010 | 10,00 | 133 | 87 | 10 | |
| 1020010,25 | 10,25* | 133 | 87 | 10 | |
| 1020010,5 | 10,50 | 133 | 87 | 5 | |
| 1020011 | 11,00 | 142 | 94 | 5 | |
| 1020011,5 | 11,50 | 142 | 94 | 5 | |
| 1020012 | 12,00 | 151 | 101 | 5 | |
| 1020012,5 | 12,50 | 151 | 101 | 5 | |
| 1020013 | 13,00 | 151 | 101 | 5 | |

Punte PMX Alto Rendimiento Inox/Materiali Duri



| | | | | | | | | |
|-----|--------|-------------|--|--|--|---------------------------------------|--|--------------|
| PMX | X-AICr | IZAR Std. N | | | | Rectificado Ground Taillé Meulé | Especial/Special/Spéciale Inox AISI 304 Stainless Steel | Tol. D h8 |
|-----|--------|-------------|--|--|--|---------------------------------------|--|--------------|



| Material | | Vc | Avances mm/rev. Feed / Pas | | | | | | | |
|----------|------|--------|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Grupo | Sub. | X-AICr | Ø 2 | Ø 3 | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 |
| 1 | 1.1 | 30-50 | 0,060 | 0,100 | 0,120 | 0,120 | 0,160 | 0,200 | 0,250 | 0,250 |
| 1 | 1.2 | 30-45 | 0,050 | 0,060 | 0,100 | 0,100 | 0,120 | 0,160 | 0,200 | 0,200 |
| 1 | 1.3 | 25-35 | 0,030 | 0,050 | 0,060 | 0,060 | 0,080 | 0,100 | 0,120 | 0,120 |
| 2 | 2.1 | 10-18 | 0,030 | 0,050 | 0,060 | 0,060 | 0,080 | 0,100 | 0,120 | 0,120 |
| | 2.2 | 15-20 | 0,030 | 0,050 | 0,060 | 0,060 | 0,080 | 0,100 | 0,120 | 0,120 |
| 3 | 3.1 | 35-45 | 0,080 | 0,100 | 0,160 | 0,160 | 0,200 | 0,250 | 0,300 | 0,300 |
| | 3.2 | 30-40 | 0,080 | 0,100 | 0,160 | 0,160 | 0,200 | 0,250 | 0,300 | 0,300 |
| 5 | 5.1 | 80-100 | 0,050 | 0,080 | 0,100 | 0,100 | 0,120 | 0,160 | 0,200 | 0,200 |
| | 5.2 | 50-60 | 0,050 | 0,080 | 0,100 | 0,100 | 0,120 | 0,160 | 0,200 | 0,200 |
| 7 | 7.2 | 20-35 | 0,040 | 0,060 | 0,080 | 0,080 | 0,100 | 0,120 | 0,160 | 0,160 |

Vc= m/min.

$$\text{r.p.m.} = \frac{Vc \times 1.000}{\pi \times \varnothing}$$

| Codice | D mm | d mm | L mm | l mm | l2 mm | | PMX € |
|-----------|------|------|------|------|-------|---|-------|
| 6016002 | 2,00 | 3,00 | 46 | 15 | 28 | 1 | |
| 6016002,1 | 2,10 | 3,00 | 46 | 15 | 28 | 1 | |
| 6016002,2 | 2,20 | 3,00 | 46 | 15 | 28 | 1 | |
| 6016002,3 | 2,30 | 3,00 | 46 | 15 | 28 | 1 | |
| 6016002,5 | 2,50 | 3,00 | 46 | 15 | 28 | 1 | |
| 6016002,6 | 2,60 | 3,00 | 50 | 19 | 28 | 1 | |
| 6016002,8 | 2,80 | 3,00 | 50 | 19 | 28 | 1 | |
| 6016002,9 | 2,90 | 3,00 | 50 | 19 | 28 | 1 | |
| 6016003 | 3,00 | 3,00 | 50 | 19 | 28 | 1 | |
| 6016003,2 | 3,20 | 4,00 | 55 | 23 | 28 | 1 | |
| 6016003,3 | 3,30 | 4,00 | 55 | 23 | 28 | 1 | |
| 6016003,4 | 3,40 | 4,00 | 55 | 23 | 28 | 1 | |
| 6016003,5 | 3,50 | 4,00 | 55 | 23 | 28 | 1 | |
| 6016003,7 | 3,70 | 4,00 | 61 | 29 | 28 | 1 | |
| 6016003,8 | 3,80 | 4,00 | 61 | 29 | 28 | 1 | |
| 6016003,9 | 3,90 | 4,00 | 61 | 29 | 28 | 1 | |
| 6016004 | 4,00 | 4,00 | 61 | 29 | 28 | 1 | |
| 6016004,2 | 4,20 | 6,00 | 72 | 30 | 36 | 1 | |
| 6016004,3 | 4,30 | 6,00 | 72 | 30 | 36 | 1 | |
| 6016004,5 | 4,50 | 6,00 | 72 | 30 | 36 | 1 | |
| 6016004,6 | 4,60 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016004,8 | 4,80 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016004,9 | 4,90 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016005 | 5,00 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016005,1 | 5,10 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016005,3 | 5,30 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016005,5 | 5,50 | 6,00 | 75 | 33 | 36 | 1 | |
| 6016005,8 | 5,80 | 6,00 | 79 | 37 | 36 | 1 | |
| 6016005,9 | 5,90 | 6,00 | 79 | 37 | 36 | 1 | |
| 6016006 | 6,00 | 6,00 | 79 | 37 | 36 | 1 | |
| 6016006,3 | 6,30 | 8,00 | 83 | 39 | 36 | 1 | |
| 6016006,4 | 6,40 | 8,00 | 83 | 39 | 36 | 1 | |
| 6016006,5 | 6,50 | 8,00 | 83 | 39 | 36 | 1 | |
| 6016006,8 | 6,80 | 8,00 | 88 | 44 | 36 | 1 | |
| 6016006,9 | 6,90 | 8,00 | 88 | 44 | 36 | 1 | |

| Codice | D mm | d mm | L mm | l mm | l2 mm | | PMX € |
|-----------|-------|-------|------|------|-------|---|-------|
| 6016007 | 7,00 | 8,00 | 88 | 44 | 36 | 1 | |
| 6016007,4 | 7,40 | 8,00 | 88 | 44 | 36 | 1 | |
| 6016007,5 | 7,50 | 8,00 | 88 | 44 | 36 | 1 | |
| 6016007,8 | 7,80 | 8,00 | 92 | 48 | 36 | 1 | |
| 6016007,9 | 7,90 | 8,00 | 92 | 48 | 36 | 1 | |
| 6016008 | 8,00 | 8,00 | 92 | 48 | 36 | 1 | |
| 6016008,5 | 8,50 | 10,00 | 98 | 48 | 40 | 1 | |
| 6016008,6 | 8,60 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016008,8 | 8,80 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016008,9 | 8,90 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016009 | 9,00 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016009,3 | 9,30 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016009,4 | 9,40 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016009,5 | 9,50 | 10,00 | 101 | 51 | 40 | 1 | |
| 6016009,8 | 9,80 | 10,00 | 105 | 55 | 40 | 1 | |
| 6016009,9 | 9,90 | 10,00 | 105 | 55 | 40 | 1 | |
| 6016010 | 10,00 | 10,00 | 105 | 55 | 40 | 1 | |
| 6016010,2 | 10,20 | 12,00 | 112 | 55 | 45 | 1 | |
| 6016010,3 | 10,30 | 12,00 | 112 | 55 | 45 | 1 | |
| 6016010,5 | 10,50 | 12,00 | 112 | 55 | 45 | 1 | |
| 6016010,8 | 10,80 | 12,00 | 116 | 59 | 45 | 1 | |
| 6016010,9 | 10,90 | 12,00 | 116 | 59 | 45 | 1 | |
| 6016011 | 11,00 | 12,00 | 116 | 59 | 45 | 1 | |
| 6016011,1 | 11,10 | 12,00 | 116 | 59 | 45 | 1 | |
| 6016011,5 | 11,50 | 12,00 | 116 | 59 | 45 | 1 | |
| 6016011,8 | 11,80 | 12,00 | 121 | 64 | 45 | 1 | |
| 6016011,9 | 11,90 | 12,00 | 121 | 64 | 45 | 1 | |
| 6016012 | 12,00 | 12,00 | 121 | 64 | 45 | 1 | |
| 6016012,2 | 12,20 | 14,00 | 129 | 70 | 45 | 1 | |
| 6016012,5 | 12,50 | 14,00 | 129 | 70 | 45 | 1 | |
| 6016012,7 | 12,70 | 14,00 | 129 | 70 | 45 | 1 | |
| 6016012,8 | 12,80 | 14,00 | 129 | 70 | 45 | 1 | |
| 6016012,9 | 12,90 | 14,00 | 129 | 70 | 45 | 1 | |
| 6016013 | 13,00 | 14,00 | 129 | 70 | 45 | 1 | |



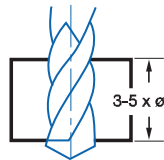
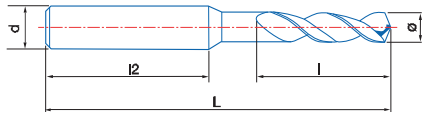
Punte PMX Alto Rendimiento Titanio/Leghe Speciali

ref. **6000**



| | | | | | | |
|-----|--------|-----------|------|--|---|--------------|
| PMX | NITREX | IZAR Std. | 138° | | Especial/Special/Spéciale Titanio/Titanium/Titane Ti6Al4V Nimonic, Hastelloy, Inconel | Tol. D h8 |
|-----|--------|-----------|------|--|---|--------------|

| | | |
|--|--|---------------------------------------|
| Filo Corregido Convex Edge Filets Corrigés | | Rectificado Ground Taillé Meulé |
|--|--|---------------------------------------|



| Material | Vc | Avances mm/rev. Feed / Pas | | | | | | | |
|--|--------|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Grupo | NITREX | Ø 2 | Ø 3 | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 |
| 4 | 14-24 | 0,020 | 0,030 | 0,040 | 0,050 | 0,070 | 0,100 | 0,100 | 0,120 |
| ALEACIONES ESPECIALES Special Alloys Alliages Spéciaux | 4-6 | 0,025 | 0,040 | 0,050 | 0,050 | 0,060 | 0,080 | 0,100 | 0,100 |

Vc= m/min.

$$r.p.m. = \frac{Vc \times 1.000}{\pi \times \phi}$$

Hélice forma "S":

- Taladrado más rápido y estable.
- Agujeros con buen acabado y gran precisión.

"S" Form Helix:

- Faster and more stable Drilling.
- High precision and good finishing holes.

Helix form "S":

- Plus rapide et stable perçage.
- Trous de précision et de bonne finition.

Filo corregido tipo "Convex": "Convex" type Split Point:

- Afilado especial de gran precisión.
- Mejora el acabado superficial del mecanizado.
- Diseño especial para mecanizar materiales con pobre conductividad térmica como el titanio tratado Ti6Al4V.

- High Precision Special Split Point.
- Better Machining Surface Quality.
- Specially designed for machining Materials with poor Thermal Conductivity such as Ti6Al4V treated Titanium.

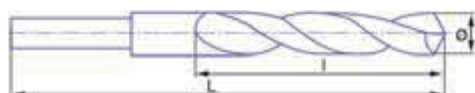
"Convex" type affûtage en croix:

- Spécial affûtage en croix d'haute précision.
- S'améliore la finition de la surface.
- Conception spécial pour les matériaux avec une mauvaise conductivité thermique comme le titane traité Ti6Al4V.

| Codice | D mm | d mm | L mm | l mm | l2 mm | | PMX € |
|-----------|------|------|------|------|-------|---|-------|
| 6000002 | 2,00 | 3,00 | 46 | 15 | 28 | 1 | |
| 6000002,1 | 2,10 | 3,00 | 46 | 15 | 28 | 1 | |
| 6000002,2 | 2,20 | 3,00 | 46 | 15 | 28 | 1 | |
| 6000002,3 | 2,30 | 3,00 | 46 | 15 | 28 | 1 | |
| 6000002,5 | 2,50 | 3,00 | 46 | 15 | 28 | 1 | |
| 6000002,6 | 2,60 | 3,00 | 50 | 19 | 28 | 1 | |
| 6000002,8 | 2,80 | 3,00 | 50 | 19 | 28 | 1 | |
| 6000002,9 | 2,90 | 3,00 | 50 | 19 | 28 | 1 | |
| 6000003 | 3,00 | 3,00 | 50 | 19 | 28 | 1 | |
| 6000003,2 | 3,20 | 4,00 | 55 | 23 | 28 | 1 | |
| 6000003,3 | 3,30 | 4,00 | 55 | 23 | 28 | 1 | |
| 6000003,4 | 3,40 | 4,00 | 55 | 23 | 28 | 1 | |
| 6000003,5 | 3,50 | 4,00 | 55 | 23 | 28 | 1 | |
| 6000003,7 | 3,70 | 4,00 | 61 | 29 | 28 | 1 | |
| 6000003,8 | 3,80 | 4,00 | 61 | 29 | 28 | 1 | |
| 6000003,9 | 3,90 | 4,00 | 61 | 29 | 28 | 1 | |
| 6000004 | 4,00 | 4,00 | 61 | 29 | 28 | 1 | |
| 6000004,2 | 4,20 | 6,00 | 72 | 30 | 36 | 1 | |
| 6000004,3 | 4,30 | 6,00 | 72 | 30 | 36 | 1 | |
| 6000004,5 | 4,50 | 6,00 | 72 | 30 | 36 | 1 | |
| 6000004,6 | 4,60 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000004,8 | 4,80 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000004,9 | 4,90 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000005 | 5,00 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000005,1 | 5,10 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000005,3 | 5,30 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000005,5 | 5,50 | 6,00 | 75 | 33 | 36 | 1 | |
| 6000005,8 | 5,80 | 6,00 | 79 | 37 | 36 | 1 | |
| 6000005,9 | 5,90 | 6,00 | 79 | 37 | 36 | 1 | |
| 6000006 | 6,00 | 6,00 | 79 | 37 | 36 | 1 | |
| 6000006,3 | 6,30 | 8,00 | 83 | 39 | 36 | 1 | |
| 6000006,4 | 6,40 | 8,00 | 83 | 39 | 36 | 1 | |
| 6000006,5 | 6,50 | 8,00 | 83 | 39 | 36 | 1 | |
| 6000006,8 | 6,80 | 8,00 | 88 | 44 | 36 | 1 | |
| 6000006,9 | 6,90 | 8,00 | 88 | 44 | 36 | 1 | |

| Codice | D mm | d mm | L mm | l mm | l2 mm | | PMX € |
|-----------|-------|-------|------|------|-------|---|-------|
| 6000007 | 7,00 | 8,00 | 88 | 44 | 36 | 1 | |
| 6000007,4 | 7,40 | 8,00 | 88 | 44 | 36 | 1 | |
| 6000007,5 | 7,50 | 8,00 | 88 | 44 | 36 | 1 | |
| 6000007,8 | 7,80 | 8,00 | 92 | 48 | 36 | 1 | |
| 6000007,9 | 7,90 | 8,00 | 92 | 48 | 36 | 1 | |
| 6000008 | 8,00 | 8,00 | 92 | 48 | 36 | 1 | |
| 6000008,5 | 8,50 | 10,00 | 98 | 48 | 40 | 1 | |
| 6000008,6 | 8,60 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000008,8 | 8,80 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000008,9 | 8,90 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000009 | 9,00 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000009,3 | 9,30 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000009,4 | 9,40 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000009,5 | 9,50 | 10,00 | 101 | 51 | 40 | 1 | |
| 6000009,8 | 9,80 | 10,00 | 105 | 55 | 40 | 1 | |
| 6000009,9 | 9,90 | 10,00 | 105 | 55 | 40 | 1 | |
| 6000010 | 10,00 | 10,00 | 105 | 55 | 40 | 1 | |
| 6000010,2 | 10,20 | 12,00 | 112 | 55 | 45 | 1 | |
| 6000010,3 | 10,30 | 12,00 | 112 | 55 | 45 | 1 | |
| 6000010,5 | 10,50 | 12,00 | 112 | 55 | 45 | 1 | |
| 6000010,8 | 10,80 | 12,00 | 116 | 59 | 45 | 1 | |
| 6000010,9 | 10,90 | 12,00 | 116 | 59 | 45 | 1 | |
| 6000011 | 11,00 | 12,00 | 116 | 59 | 45 | 1 | |
| 6000011,1 | 11,10 | 12,00 | 116 | 59 | 45 | 1 | |
| 6000011,5 | 11,50 | 12,00 | 116 | 59 | 45 | 1 | |
| 6000011,8 | 11,80 | 12,00 | 121 | 64 | 45 | 1 | |
| 6000011,9 | 11,90 | 12,00 | 121 | 64 | 45 | 1 | |
| 6000012 | 12,00 | 12,00 | 121 | 64 | 45 | 1 | |
| 6000012,2 | 12,20 | 14,00 | 129 | 70 | 45 | 1 | |
| 6000012,5 | 12,50 | 14,00 | 129 | 70 | 45 | 1 | |
| 6000012,7 | 12,70 | 14,00 | 129 | 70 | 45 | 1 | |
| 6000012,8 | 12,80 | 14,00 | 129 | 70 | 45 | 1 | |
| 6000012,9 | 12,90 | 14,00 | 129 | 70 | 45 | 1 | |
| 6000013 | 13,00 | 14,00 | 129 | 70 | 45 | 1 | |

Punte cilindriche HSS DIN 338 gambo ridotto



ref. **1017**
(1007)

HSS

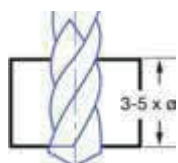


DIN 338 N



Blue Finish

Rectif. Ground



| Material | | Vc | Avances mm/rev. Feed | | | |
|----------|------|-------|----------------------|-------|-------|-------|
| Grupo | Sub. | HSS | Ø 12 | Ø 16 | Ø 20 | Ø 25 |
| 1 | 1.1 | 25-30 | 0,160 | 0,180 | 0,250 | 0,430 |
| | 3.1 | 30-35 | 0,250 | 0,300 | 0,360 | 0,360 |
| | 3.2 | 25-30 | 0,200 | 0,240 | 0,280 | 0,340 |
| 6 | 6.1 | 60-80 | 0,320 | 0,380 | 0,450 | 0,540 |
| | 6.2 | | 0,320 | 0,380 | 0,450 | 0,540 |
| | 6.3 | 40-50 | 0,250 | 0,300 | 0,360 | 0,430 |

Vc= m/min.

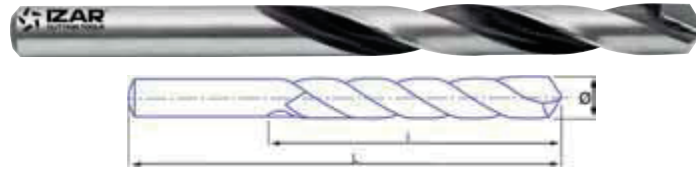
r.p.m. = $\frac{Vc \times 1.000}{p \times \phi}$

p x Ø

| Cod. | Ø mm h8 | L mm | l mm | IZAR | € |
|-----------|---------|------|------|------|---|
| 1017010,5 | 10,50 | 133 | 87 | 1 | |
| 1017011 | 11,00 | 142 | 94 | 1 | |
| 1017011,5 | 11,50 | 142 | 94 | 1 | |
| 1017012 | 12,00 | 151 | 101 | 1 | |
| 1017012,5 | 12,50 | 151 | 101 | 1 | |
| 1017013 | 13,00 | 151 | 101 | 1 | |
| 1017013,5 | 13,50 | 160 | 108 | 1 | |
| 1017014 | 14,00 | 160 | 108 | 1 | |
| 1017014,5 | 14,50 | 169 | 114 | 1 | |
| 1017015 | 15,00 | 169 | 114 | 1 | |
| 1017015,5 | 15,50 | 178 | 120 | 1 | |
| 1017016 | 16,00 | 178 | 120 | 1 | |
| 1017016,5 | 16,50 | 184 | 125 | 1 | |

| Cod. | Ø mm h8 | L mm | l mm | IZAR | € |
|-----------|---------|------|------|------|---|
| 1017017 | 17,00 | 184 | 125 | 1 | |
| 1017017,5 | 17,50 | 191 | 130 | 1 | |
| 1017018 | 18,00 | 191 | 130 | 1 | |
| 1017018,5 | 18,50 | 198 | 135 | 1 | |
| 1017019 | 19,00 | 198 | 135 | 1 | |
| 1017019,5 | 19,50 | 205 | 140 | 1 | |
| 1017020 | 20,00 | 205 | 140 | 1 | |
| 1017021 | 21,00 | 205 | 145 | 1 | |
| 1017022 | 22,00 | 210 | 150 | 1 | |
| 1017023 | 23,00 | 210 | 150 | 1 | |
| 1017024 | 24,00 | 220 | 160 | 1 | |
| 1017025 | 25,00 | 220 | 160 | 1 | |

Punte cilindriche DIN 338 con riporto M.D.



ref. **9100**

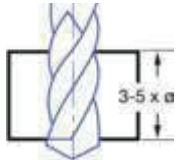
MD
HM
Carb.

DIN
338 N

118°



Rectif.
Ground



| Material | | Vc | Avances mm/rev. Feed | | | | | | | | |
|----------|------|--------|----------------------|-------|-------|-------|-------|-------|-------|-------|------|
| Gruppo | Sub. | | MD / HM | Ø 2 | Ø 4 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | Ø 16 | Ø 20 |
| 1 | 1.2 | 30-50 | 0,015 | 0,025 | 0,035 | 0,045 | 0,050 | 0,055 | 0,070 | 0,080 | |
| | 1.3 | 10-15 | 0,010 | 0,020 | 0,030 | 0,040 | 0,040 | 0,050 | 0,050 | 0,060 | |
| 2 | 2.1 | 10-25 | 0,010 | 0,020 | 0,030 | 0,040 | 0,040 | 0,050 | 0,050 | 0,060 | |
| | 2.2 | 12-25 | 0,010 | 0,020 | 0,030 | 0,040 | 0,040 | 0,050 | 0,050 | 0,060 | |
| 3 | 3.1 | 50-90 | 0,020 | 0,040 | 0,060 | 0,060 | 0,070 | 0,080 | 0,100 | 0,120 | |
| | 3.2 | 40-60 | 0,010 | 0,020 | 0,030 | 0,040 | 0,050 | 0,050 | 0,060 | 0,060 | |
| 4 | 4.1 | 20-35 | 0,015 | 0,030 | 0,030 | 0,035 | 0,050 | 0,060 | 0,080 | 0,090 | |
| | 5.1 | 40-100 | 0,030 | 0,060 | 0,100 | 0,100 | 0,120 | 0,140 | 0,160 | 0,180 | |
| 5 | 5.2 | 40-100 | 0,030 | 0,060 | 0,100 | 0,100 | 0,120 | 0,140 | 0,160 | 0,180 | |
| | 7.2 | 20-100 | 0,022 | 0,040 | 0,050 | 0,060 | 0,065 | 0,070 | 0,080 | 0,120 | |

Vc= m/min.

r.p.m. = $Vc \times 1.000$

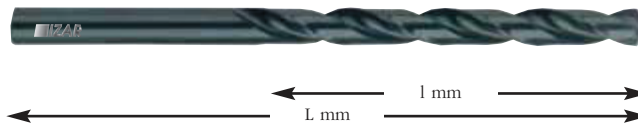
$p \times \phi$

| Cod. | Ø mm h7 | L mm | l mm | € |
|-----------|------------|---------|---------|---|
| 9100002 | 2,00 | 49 | 24 | 1 |
| 9100002,5 | 2,50 | 57 | 30 | 1 |
| 9100003 | 3,00 | 61 | 33 | 1 |
| 9100003,5 | 3,50 | 70 | 39 | 1 |
| 9100004 | 4,00 | 75 | 43 | 1 |
| 9100004,5 | 4,50 | 80 | 47 | 1 |
| 9100005 | 5,00 | 86 | 52 | 1 |
| 9100005,5 | 5,50 | 93 | 57 | 1 |
| 9100006 | 6,00 | 93 | 57 | 1 |
| 9100006,5 | 6,50 | 101 | 63 | 1 |
| 9100006,8 | 6,80 | 109 | 69 | 1 |
| 9100007 | 7,00 | 109 | 69 | 1 |
| 9100007,5 | 7,50 | 109 | 69 | 1 |
| 9100008 | 8,00 | 117 | 75 | 1 |
| 9100008,5 | 8,50 | 117 | 75 | 1 |
| 9100008,6 | 8,60 | 125 | 81 | 1 |
| 9100009 | 9,00 | 125 | 81 | 1 |

| Cod. | Ø mm h7 | L mm | l mm | € |
|-----------|------------|---------|---------|---|
| 9100009,5 | 9,50 | 125 | 81 | 1 |
| 9100010 | 10,00 | 133 | 87 | 1 |
| 9100010,2 | 10,20 | 133 | 87 | 1 |
| 9100010,5 | 10,50 | 133 | 87 | 1 |
| 9100011 | 11,00 | 142 | 94 | 1 |
| 9100011,5 | 11,50 | 142 | 94 | 1 |
| 9100012 | 12,00 | 151 | 101 | 1 |
| 9100012,5 | 12,50 | 151 | 101 | 1 |
| 9100013 | 13,00 | 151 | 101 | 1 |
| 9100014 | 14,00 | 160 | 108 | 1 |
| 9100015 | 15,00 | 169 | 114 | 1 |
| 9100016 | 16,00 | 178 | 120 | 1 |
| 9100017 | 17,00 | 184 | 125 | 1 |
| 9100018 | 18,00 | 191 | 130 | 1 |
| 9100019 | 19,00 | 198 | 135 | 1 |
| 9100020 | 20,00 | 205 | 140 | 1 |

Altri diametri a richiesta

Punte Elicoidali Serie Lunga



1030

HSS

DIN 340 N

118°



Finitura Blu

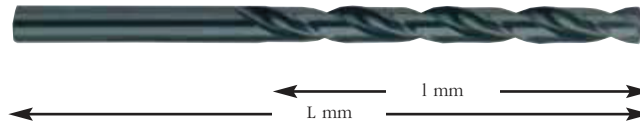
Rettif.

< 800 N/mm²

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1030001 | 1,00 | 56 | 33 | 10 | |
| 1030001,1 | 1,10 | 56 | 33 | 10 | |
| 1030001,2 | 1,20 | 65 | 41 | 10 | |
| 1030001,25 | 1,25 | 65 | 41 | 10 | |
| 1030001,3 | 1,30 | 65 | 41 | 10 | |
| 1030001,4 | 1,40 | 70 | 45 | 10 | |
| 1030001,5 | 1,50 | 70 | 45 | 10 | |
| 1030001,6 | 1,60 | 76 | 50 | 10 | |
| 1030001,7 | 1,70 | 76 | 50 | 10 | |
| 1030001,75 | 1,75 | 80 | 53 | 10 | |
| 1030001,8 | 1,80 | 80 | 53 | 10 | |
| 1030001,9 | 1,90 | 80 | 53 | 10 | |
| 1030002 | 2,00 | 85 | 56 | 10 | |
| 1030002,1 | 2,10 | 85 | 56 | 10 | |
| 1030002,2 | 2,20 | 90 | 59 | 10 | |
| 1030002,25 | 2,25 | 90 | 59 | 10 | |
| 1030002,3 | 2,30 | 90 | 59 | 10 | |
| 1030002,4 | 2,40 | 95 | 62 | 10 | |
| 1030002,5 | 2,50 | 95 | 62 | 10 | |
| 1030002,6 | 2,60 | 95 | 62 | 10 | |
| 1030002,7 | 2,70 | 100 | 66 | 10 | |
| 1030002,75 | 2,75 | 100 | 66 | 10 | |
| 1030002,8 | 2,80 | 100 | 66 | 10 | |
| 1030002,9 | 2,90 | 100 | 66 | 10 | |
| 1030003 | 3,00 | 100 | 66 | 10 | |
| 1030003,1 | 3,10 | 106 | 69 | 10 | |
| 1030003,2 | 3,20 | 106 | 69 | 10 | |
| 1030003,25 | 3,25 | 106 | 69 | 10 | |
| 1030003,3 | 3,30 | 106 | 69 | 10 | |
| 1030003,4 | 3,40 | 112 | 73 | 10 | |
| 1030003,5 | 3,50 | 112 | 73 | 10 | |
| 1030003,6 | 3,60 | 112 | 73 | 10 | |
| 1030003,7 | 3,70 | 112 | 73 | 10 | |
| 1030003,75 | 3,75 | 112 | 73 | 10 | |
| 1030003,8 | 3,80 | 119 | 78 | 10 | |
| 1030003,9 | 3,90 | 119 | 78 | 10 | |
| 1030004 | 4,00 | 119 | 78 | 10 | |
| 1030004,1 | 4,10 | 119 | 78 | 10 | |
| 1030004,2 | 4,20 | 119 | 78 | 10 | |
| 1030004,25 | 4,25 | 119 | 78 | 10 | |
| 1030004,3 | 4,30 | 126 | 82 | 10 | |
| 1030004,4 | 4,40 | 126 | 82 | 10 | |
| 1030004,5 | 4,50 | 126 | 82 | 10 | |
| 1030004,6 | 4,60 | 126 | 82 | 10 | |
| 1030004,7 | 4,70 | 126 | 82 | 10 | |
| 1030004,75 | 4,75 | 126 | 82 | 10 | |
| 1030004,8 | 4,80 | 132 | 87 | 10 | |
| 1030004,9 | 4,90 | 132 | 87 | 10 | |
| 1030005 | 5,00 | 132 | 87 | 10 | |
| 1030005,1 | 5,10 | 132 | 87 | 10 | |
| 1030005,2 | 5,20 | 132 | 87 | 10 | |
| 1030005,25 | 5,25 | 132 | 87 | 10 | |
| 1030005,3 | 5,30 | 132 | 87 | 10 | |
| 1030005,4 | 5,40 | 139 | 91 | 10 | |
| 1030005,5 | 5,50 | 139 | 91 | 10 | |
| 1030005,6 | 5,60 | 139 | 91 | 10 | |
| 1030005,7 | 5,70 | 139 | 91 | 10 | |
| 1030005,75 | 5,75 | 139 | 91 | 10 | |
| 1030005,8 | 5,80 | 139 | 91 | 10 | |
| 1030005,9 | 5,90 | 139 | 91 | 10 | |
| 1030006 | 6,00 | 139 | 91 | 10 | |
| 1030006,1 | 6,10 | 148 | 97 | 10 | |
| 1030006,2 | 6,20 | 148 | 97 | 10 | |
| 1030006,25 | 6,25 | 148 | 97 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1030006,3 | 6,30 | 148 | 97 | 10 | |
| 1030006,4 | 6,40 | 148 | 97 | 10 | |
| 1030006,5 | 6,50 | 148 | 97 | 10 | |
| 1030006,6 | 6,60 | 148 | 97 | 10 | |
| 1030006,7 | 6,70 | 148 | 97 | 10 | |
| 1030006,75 | 6,75 | 156 | 102 | 10 | |
| 1030006,8 | 6,80 | 156 | 102 | 10 | |
| 1030006,9 | 6,90 | 156 | 102 | 10 | |
| 1030007 | 7,00 | 156 | 102 | 10 | |
| 1030007,1 | 7,10 | 156 | 102 | 10 | |
| 1030007,2 | 7,20 | 156 | 102 | 10 | |
| 1030007,25 | 7,25 | 156 | 102 | 10 | |
| 1030007,3 | 7,30 | 156 | 102 | 10 | |
| 1030007,4 | 7,40 | 156 | 102 | 10 | |
| 1030007,5 | 7,50 | 156 | 102 | 10 | |
| 1030007,6 | 7,60 | 165 | 109 | 10 | |
| 1030007,7 | 7,70 | 165 | 109 | 10 | |
| 1030007,75 | 7,75 | 165 | 109 | 10 | |
| 1030007,8 | 7,80 | 165 | 109 | 10 | |
| 1030007,9 | 7,90 | 165 | 109 | 10 | |
| 1030008 | 8,00 | 165 | 109 | 10 | |
| 1030008,1 | 8,10 | 165 | 109 | 5 | |
| 1030008,2 | 8,20 | 165 | 109 | 5 | |
| 1030008,25 | 8,25 | 165 | 109 | 5 | |
| 1030008,3 | 8,30 | 165 | 109 | 5 | |
| 1030008,4 | 8,40 | 165 | 109 | 5 | |
| 1030008,5 | 8,50 | 165 | 109 | 5 | |
| 1030008,6 | 8,60 | 175 | 115 | 5 | |
| 1030008,7 | 8,70 | 175 | 115 | 5 | |
| 1030008,75 | 8,75 | 175 | 115 | 5 | |
| 1030008,8 | 8,80 | 175 | 115 | 5 | |
| 1030008,9 | 8,90 | 175 | 115 | 5 | |
| 1030009 | 9,00 | 175 | 115 | 5 | |
| 1030009,1 | 9,10 | 175 | 115 | 5 | |
| 1030009,2 | 9,20 | 175 | 115 | 5 | |
| 1030009,25 | 9,25 | 175 | 115 | 5 | |
| 1030009,3 | 9,30 | 175 | 115 | 5 | |
| 1030009,4 | 9,40 | 175 | 115 | 5 | |
| 1030009,5 | 9,50 | 175 | 115 | 5 | |
| 1030009,6 | 9,60 | 184 | 121 | 5 | |
| 1030009,7 | 9,70 | 184 | 121 | 5 | |
| 1030009,75 | 9,75 | 184 | 121 | 5 | |
| 1030009,8 | 9,80 | 184 | 121 | 5 | |
| 1030009,9 | 9,90 | 184 | 121 | 5 | |
| 1030010 | 10,00 | 184 | 121 | 5 | |
| 1030010,2 | 10,20 | 184 | 121 | 1 | |
| 1030010,25 | 10,25 | 184 | 121 | 1 | |
| 1030010,5 | 10,50 | 184 | 121 | 1 | |
| 1030010,75 | 10,75 | 195 | 128 | 1 | |
| 1030010,8 | 10,80 | 195 | 128 | 1 | |
| 1030011 | 11,00 | 195 | 128 | 1 | |
| 1030011,25 | 11,25 | 195 | 128 | 1 | |
| 1030011,5 | 11,50 | 195 | 128 | 1 | |
| 1030011,75 | 11,75 | 195 | 128 | 1 | |
| 1030011,8 | 11,80 | 195 | 128 | 1 | |
| 1030011,9 | 11,90 | 195 | 128 | 1 | |
| 1030012 | 12,00 | 205 | 134 | 1 | |
| 1030012,2 | 12,20 | 205 | 134 | 1 | |
| 1030012,25 | 12,25 | 205 | 134 | 1 | |
| 1030012,3 | 12,30 | 205 | 134 | 1 | |
| 1030012,5 | 12,50 | 205 | 134 | 1 | |
| 1030012,75 | 12,75 | 205 | 134 | 1 | |
| 1030013 | 13,00 | 205 | 134 | 1 | |
| 1030013,25 | 13,25 | 214 | 140 | 1 | |

Punte Elicoidali Serie Lunga



1030

HSS


DIN 340 N



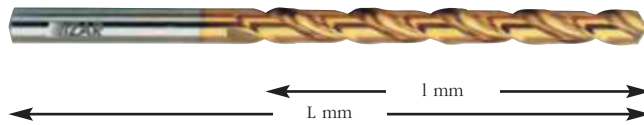
Finitura Blu

Rettif.

< 800 N/mm²

| Codice | Ø mm h8 | L mm | l mm |  | HSS € |
|------------|------------|---------|---------|--|----------|
| 1030013,5 | 13,50 | 214 | 140 | 1 | |
| 1030013,75 | 13,75 | 214 | 140 | 1 | |
| 1030014 | 14,00 | 214 | 140 | 1 | |
| 1030014,25 | 14,25 | 220 | 144 | 1 | |
| 1030014,5 | 14,50 | 220 | 144 | 1 | |
| 1030014,75 | 14,75 | 220 | 144 | 1 | |
| 1030015 | 15,00 | 220 | 144 | 1 | |
| 1030015,25 | 15,25 | 227 | 149 | 1 | |
| 1030015,5 | 15,50 | 227 | 149 | 1 | |
| 1030015,75 | 15,75 | 227 | 149 | 1 | |
| 1030016 | 16,00 | 227 | 149 | 1 | |
| 1030016,25 | 16,25 | 235 | 154 | 1 | |
| 1030016,5 | 16,50 | 235 | 154 | 1 | |
| 1030016,75 | 16,75 | 235 | 154 | 1 | |
| 1030017 | 17,00 | 235 | 154 | 1 | |
| 1030017,25 | 17,25 | 241 | 158 | 1 | |
| 1030017,5 | 17,50 | 241 | 158 | 1 | |
| 1030017,75 | 17,75 | 241 | 158 | 1 | |
| 1030018 | 18,00 | 241 | 158 | 1 | |
| 1030018,25 | 18,25 | 241 | 158 | 1 | |
| 1030018,5 | 18,50 | 247 | 162 | 1 | |
| 1030019 | 19,00 | 247 | 162 | 1 | |
| 1030019,5 | 19,50 | 254 | 166 | 1 | |
| 1030019,75 | 19,75 | 254 | 166 | 1 | |
| 1030020 | 20,00 | 254 | 166 | 1 | |

Punte Elicoidali Serie Lunga



1030T

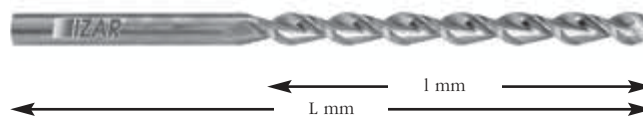
HSS
DIN 340 N
118°
Rettif.
< 800 N/mm²
TIN

| Codice | Ø mm h8 | L mm | l mm | | TIN € |
|-------------|---------|------|------|----|-------|
| 1030T001,5 | 1,50 | 70 | 45 | 10 | |
| 1030T002 | 2,00 | 85 | 56 | 10 | |
| 1030T002,1 | 2,10 | 85 | 56 | 10 | |
| 1030T002,2 | 2,20 | 90 | 59 | 10 | |
| 1030T002,25 | 2,25 | 90 | 59 | 10 | |
| 1030T002,3 | 2,30 | 90 | 59 | 10 | |
| 1030T002,4 | 2,40 | 95 | 62 | 10 | |
| 1030T002,5 | 2,50 | 95 | 62 | 10 | |
| 1030T002,6 | 2,60 | 95 | 62 | 10 | |
| 1030T002,7 | 2,70 | 100 | 66 | 10 | |
| 1030T002,75 | 2,75 | 100 | 66 | 10 | |
| 1030T002,8 | 2,80 | 100 | 66 | 10 | |
| 1030T002,9 | 2,90 | 100 | 66 | 10 | |
| 1030T003 | 3,00 | 100 | 66 | 10 | |
| 1030T003,1 | 3,10 | 106 | 69 | 10 | |
| 1030T003,2 | 3,20 | 106 | 69 | 10 | |
| 1030T003,25 | 3,25 | 106 | 69 | 10 | |
| 1030T003,3 | 3,30 | 106 | 69 | 10 | |
| 1030T003,4 | 3,40 | 112 | 73 | 10 | |
| 1030T003,5 | 3,50 | 112 | 73 | 10 | |
| 1030T003,6 | 3,60 | 112 | 73 | 10 | |
| 1030T003,7 | 3,70 | 112 | 73 | 10 | |
| 1030T003,75 | 3,75 | 112 | 73 | 10 | |
| 1030T003,8 | 3,80 | 119 | 78 | 10 | |
| 1030T003,9 | 3,90 | 119 | 78 | 10 | |
| 1030T004 | 4,00 | 119 | 78 | 10 | |
| 1030T004,1 | 4,10 | 119 | 78 | 10 | |
| 1030T004,2 | 4,20 | 119 | 78 | 10 | |
| 1030T004,25 | 4,25 | 119 | 78 | 10 | |
| 1030T004,3 | 4,30 | 126 | 82 | 10 | |
| 1030T004,4 | 4,40 | 126 | 82 | 10 | |
| 1030T004,5 | 4,50 | 126 | 82 | 10 | |
| 1030T004,6 | 4,60 | 126 | 82 | 10 | |
| 1030T004,7 | 4,70 | 126 | 82 | 10 | |
| 1030T004,75 | 4,75 | 126 | 82 | 10 | |
| 1030T004,8 | 4,80 | 132 | 87 | 10 | |
| 1030T004,9 | 4,90 | 132 | 87 | 10 | |
| 1030T005 | 5,00 | 132 | 87 | 10 | |
| 1030T005,1 | 5,10 | 132 | 87 | 10 | |
| 1030T005,2 | 5,20 | 132 | 87 | 10 | |
| 1030T005,25 | 5,25 | 132 | 87 | 10 | |
| 1030T005,3 | 5,30 | 132 | 87 | 10 | |
| 1030T005,4 | 5,40 | 139 | 91 | 10 | |
| 1030T005,5 | 5,50 | 139 | 91 | 10 | |
| 1030T005,6 | 5,60 | 139 | 91 | 10 | |
| 1030T005,7 | 5,70 | 139 | 91 | 10 | |
| 1030T005,75 | 5,75 | 139 | 91 | 10 | |
| 1030T005,8 | 5,80 | 139 | 91 | 10 | |
| 1030T005,9 | 5,90 | 139 | 91 | 10 | |
| 1030T006 | 6,00 | 139 | 91 | 10 | |
| 1030T006,1 | 6,10 | 148 | 97 | 10 | |
| 1030T006,2 | 6,20 | 148 | 97 | 10 | |
| 1030T006,25 | 6,25 | 148 | 97 | 10 | |
| 1030T006,3 | 6,30 | 148 | 97 | 10 | |
| 1030T006,4 | 6,40 | 148 | 97 | 10 | |
| 1030T006,5 | 6,50 | 148 | 97 | 10 | |
| 1030T006,6 | 6,60 | 148 | 97 | 10 | |
| 1030T006,7 | 6,70 | 148 | 97 | 10 | |
| 1030T006,75 | 6,75 | 156 | 102 | 10 | |
| 1030T006,8 | 6,80 | 156 | 102 | 10 | |
| 1030T006,9 | 6,90 | 156 | 102 | 10 | |
| 1030T007 | 7,00 | 156 | 102 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | TIN € |
|-------------|---------|------|------|----|-------|
| 1030T007,1 | 7,10 | 156 | 102 | 10 | |
| 1030T007,2 | 7,20 | 156 | 102 | 10 | |
| 1030T007,25 | 7,25 | 156 | 102 | 10 | |
| 1030T007,3 | 7,30 | 156 | 102 | 10 | |
| 1030T007,4 | 7,40 | 156 | 102 | 10 | |
| 1030T007,5 | 7,50 | 156 | 102 | 10 | |
| 1030T007,6 | 7,60 | 165 | 109 | 10 | |
| 1030T007,7 | 7,70 | 165 | 109 | 10 | |
| 1030T007,75 | 7,75 | 165 | 109 | 10 | |
| 1030T007,8 | 7,80 | 165 | 109 | 10 | |
| 1030T007,9 | 7,90 | 165 | 109 | 10 | |
| 1030T008 | 8,00 | 165 | 109 | 10 | |
| 1030T008,1 | 8,10 | 165 | 109 | 5 | |
| 1030T008,2 | 8,20 | 165 | 109 | 5 | |
| 1030T008,25 | 8,25 | 165 | 109 | 5 | |
| 1030T008,3 | 8,30 | 165 | 109 | 5 | |
| 1030T008,4 | 8,40 | 165 | 109 | 5 | |
| 1030T008,5 | 8,50 | 165 | 109 | 5 | |
| 1030T008,6 | 8,60 | 175 | 115 | 5 | |
| 1030T008,7 | 8,70 | 175 | 115 | 5 | |
| 1030T008,75 | 8,75 | 175 | 115 | 5 | |
| 1030T008,8 | 8,80 | 175 | 115 | 5 | |
| 1030T008,9 | 8,90 | 175 | 115 | 5 | |
| 1030T009 | 9,00 | 175 | 115 | 5 | |
| 1030T009,1 | 9,10 | 175 | 115 | 5 | |
| 1030T009,2 | 9,20 | 175 | 115 | 5 | |
| 1030T009,25 | 9,25 | 175 | 115 | 5 | |
| 1030T009,3 | 9,30 | 175 | 115 | 5 | |
| 1030T009,4 | 9,40 | 175 | 115 | 5 | |
| 1030T009,5 | 9,50 | 175 | 115 | 5 | |
| 1030T009,6 | 9,60 | 184 | 121 | 5 | |
| 1030T009,7 | 9,70 | 184 | 121 | 5 | |
| 1030T009,75 | 9,75 | 184 | 121 | 5 | |
| 1030T009,8 | 9,80 | 184 | 121 | 5 | |
| 1030T009,9 | 9,90 | 184 | 121 | 5 | |
| 1030T010 | 10,00 | 184 | 121 | 5 | |
| 1030T010,2 | 10,20 | 184 | 121 | 1 | |
| 1030T010,25 | 10,25 | 184 | 121 | 1 | |
| 1030T010,5 | 10,50 | 184 | 121 | 1 | |
| 1030T010,75 | 10,75 | 195 | 128 | 1 | |
| 1030T010,8 | 10,80 | 195 | 128 | 1 | |
| 1030T011 | 11,00 | 195 | 128 | 1 | |
| 1030T011,25 | 11,25 | 195 | 128 | 1 | |
| 1030T011,5 | 11,50 | 195 | 128 | 1 | |
| 1030T011,75 | 11,75 | 195 | 128 | 1 | |
| 1030T011,8 | 11,80 | 195 | 128 | 1 | |
| 1030T011,9 | 11,90 | 195 | 128 | 1 | |
| 1030T012 | 12,00 | 205 | 134 | 1 | |
| 1030T012,2 | 12,20 | 205 | 134 | 1 | |
| 1030T012,25 | 12,25 | 205 | 134 | 1 | |
| 1030T012,3 | 12,30 | 205 | 134 | 1 | |
| 1030T012,5 | 12,50 | 205 | 134 | 1 | |
| 1030T012,75 | 12,75 | 205 | 134 | 1 | |
| 1030T013 | 13,00 | 205 | 134 | 1 | |
| 1030T013,5 | 13,50 | 214 | 140 | 1 | |
| 1030T013,75 | 13,75 | 214 | 140 | 1 | |
| 1030T014 | 14,00 | 214 | 140 | 1 | |
| 1030T014,25 | 14,25 | 220 | 144 | 1 | |
| 1030T014,5 | 14,50 | 220 | 144 | 1 | |
| 1030T014,75 | 14,75 | 220 | 144 | 1 | |
| 1030T015 | 15,00 | 220 | 144 | 1 | |



Punte Elicoidali Serie Lunga



ref. **1300**
IZARPLUS



Punta specificatamente sviluppata per fori profondi ($L \leq 10 \times \varnothing$ Punta) in acciai fino a 1.300 N/mm², Alluminio, Rame, Acciaio (Austenitico L max. $\leq 3 \times \varnothing$ Punta), Plastica...



1 Nuovo disegno con Split Point: Filo Corretto che facilita l'esecuzione del foro => Riduzione di Consumo. Disegno speciale a "U": Ridotto rischio di rottura del filo di taglio.

Filo Corretto a "U" che corregge le differenze di altezze di taglio: Garanzia di Contatto uguale per ambo i taglienti => Miglioramento della Qualità e Precisione del Foro

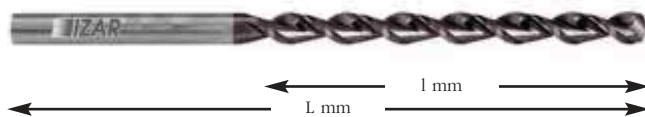


La combinazione del filo corretto a "U" + Profilo Parabolico "S": facilitano il flusso di estrazione del truciolo.

| Codice | Ø mm h8 | L mm | l mm | HSSE € |
|------------|---------|------|------|--------|
| 1300002 | 2,00 | 85 | 56 | 1 |
| 1300002,1 | 2,10 | 90 | 59 | 1 |
| 1300002,3 | 2,30 | 90 | 59 | 1 |
| 1300002,5 | 2,50 | 95 | 62 | 1 |
| 1300002,7 | 2,70 | 100 | 66 | 1 |
| 1300002,75 | 2,75 | 100 | 66 | 1 |
| 1300003 | 3,00 | 100 | 66 | 1 |
| 1300003,1 | 3,10 | 106 | 69 | 1 |
| 1300003,2 | 3,20 | 106 | 69 | 1 |
| 1300003,25 | 3,25 | 106 | 69 | 1 |
| 1300003,3 | 3,30 | 106 | 69 | 1 |
| 1300003,5 | 3,50 | 112 | 73 | 1 |
| 1300003,6 | 3,60 | 112 | 73 | 1 |
| 1300003,7 | 3,70 | 112 | 73 | 1 |
| 1300003,75 | 3,75 | 112 | 73 | 1 |
| 1300003,9 | 3,90 | 119 | 78 | 1 |
| 1300004 | 4,00 | 119 | 78 | 1 |
| 1300004,1 | 4,10 | 119 | 78 | 1 |
| 1300004,2 | 4,20 | 119 | 78 | 1 |
| 1300004,25 | 4,25 | 119 | 78 | 1 |
| 1300004,3 | 4,30 | 126 | 82 | 1 |
| 1300004,4 | 4,40 | 126 | 82 | 1 |
| 1300004,5 | 4,50 | 126 | 82 | 1 |
| 1300004,7 | 4,70 | 126 | 82 | 1 |
| 1300004,75 | 4,75 | 126 | 82 | 1 |
| 1300004,8 | 4,80 | 132 | 87 | 1 |
| 1300005 | 5,00 | 132 | 87 | 1 |
| 1300005,1 | 5,10 | 132 | 87 | 1 |
| 1300005,2 | 5,20 | 132 | 87 | 1 |
| 1300005,25 | 5,25 | 132 | 87 | 1 |
| 1300005,3 | 5,30 | 132 | 87 | 1 |
| 1300005,5 | 5,50 | 139 | 91 | 1 |
| 1300005,6 | 5,60 | 139 | 91 | 1 |
| 1300005,75 | 5,75 | 139 | 91 | 1 |
| 1300005,8 | 5,80 | 139 | 91 | 1 |
| 1300005,9 | 5,90 | 139 | 91 | 1 |
| 1300006 | 6,00 | 139 | 91 | 1 |
| 1300006,2 | 6,20 | 148 | 97 | 1 |
| 1300006,5 | 6,50 | 148 | 97 | 1 |
| 1300006,8 | 6,80 | 156 | 102 | 1 |
| 1300007 | 7,00 | 156 | 102 | 1 |
| 1300007,2 | 7,20 | 156 | 102 | 1 |
| 1300007,5 | 7,50 | 156 | 102 | 1 |
| 1300008 | 8,00 | 165 | 109 | 1 |
| 1300008,2 | 8,20 | 165 | 109 | 1 |
| 1300008,5 | 8,50 | 165 | 109 | 1 |
| 1300008,8 | 8,80 | 175 | 115 | 1 |
| 1300009 | 9,00 | 175 | 115 | 1 |
| 1300009,5 | 9,50 | 175 | 115 | 1 |
| 1300009,8 | 9,80 | 184 | 121 | 1 |
| 1300010 | 10,00 | 184 | 121 | 1 |
| 1300010,5 | 10,50 | 184 | 121 | 1 |
| 1300011 | 11,00 | 195 | 128 | 1 |
| 1300011,5 | 11,50 | 195 | 128 | 1 |
| 1300012 | 12,00 | 205 | 134 | 1 |
| 1300013 | 13,00 | 205 | 134 | 1 |



Punte Elicoidali Serie Lunga



ref. **1300**
IZARPLUS



Punta specificatamente sviluppata per fori profondi (L ≤ 10 x Ø Punta) in acciai fino a 1,300 N/mm², Alluminio, Rame, Acciaio (Austenitico L max. ≤ 3 x ø Punta), Plastica...



1 Nuovo disegno con Split Point: Filo Corretto che facilita l'esecuzione del foro => Riduzione di Consumo. Disegno speciale a "U": Ridotto rischio di rottura del filo di taglio.

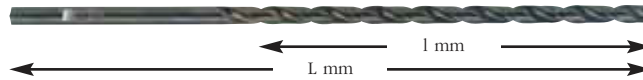
Filo Corretto a "U" che corregge le differenze di altezze di taglio: Garanzia di Contatto uguale per ambo i taglienti => Miglioramento della Qualità e Precisione del Foro



La combinazione del filo corretto a "U" + Profilo Parabolico "S": facilitano il flusso di estrazione del truciolo.

| Codice | Ø mm h8 | L mm | l mm | TIALN € |
|--------------|---------|------|------|---------|
| 1300TC002 | 2,00 | 85 | 56 | 1 |
| 1300TC002,1 | 2,10 | 90 | 59 | 1 |
| 1300TC002,3 | 2,30 | 90 | 59 | 1 |
| 1300TC002,5 | 2,50 | 95 | 62 | 1 |
| 1300TC002,7 | 2,70 | 100 | 66 | 1 |
| 1300TC002,75 | 2,75 | 100 | 66 | 1 |
| 1300TC003 | 3,00 | 100 | 66 | 1 |
| 1300TC003,1 | 3,10 | 106 | 69 | 1 |
| 1300TC003,2 | 3,20 | 106 | 69 | 1 |
| 1300TC003,25 | 3,25 | 106 | 69 | 1 |
| 1300TC003,3 | 3,30 | 106 | 69 | 1 |
| 1300TC003,5 | 3,50 | 112 | 73 | 1 |
| 1300TC003,6 | 3,60 | 112 | 73 | 1 |
| 1300TC003,7 | 3,70 | 112 | 73 | 1 |
| 1300TC003,75 | 3,75 | 112 | 73 | 1 |
| 1300TC003,9 | 3,90 | 119 | 78 | 1 |
| 1300TC004 | 4,00 | 119 | 78 | 1 |
| 1300TC004,1 | 4,10 | 119 | 78 | 1 |
| 1300TC004,2 | 4,20 | 119 | 78 | 1 |
| 1300TC004,25 | 4,25 | 119 | 78 | 1 |
| 1300TC004,3 | 4,30 | 126 | 82 | 1 |
| 1300TC004,4 | 4,40 | 126 | 82 | 1 |
| 1300TC004,5 | 4,50 | 126 | 82 | 1 |
| 1300TC004,7 | 4,70 | 126 | 82 | 1 |
| 1300TC004,75 | 4,75 | 126 | 82 | 1 |
| 1300TC004,8 | 4,80 | 132 | 87 | 1 |
| 1300TC005 | 5,00 | 132 | 87 | 1 |
| 1300TC005,1 | 5,10 | 132 | 87 | 1 |
| 1300TC005,2 | 5,20 | 132 | 87 | 1 |
| 1300TC005,25 | 5,25 | 132 | 87 | 1 |
| 1300TC005,3 | 5,30 | 132 | 87 | 1 |
| 1300TC005,5 | 5,50 | 139 | 91 | 1 |
| 1300TC005,6 | 5,60 | 139 | 91 | 1 |
| 1300TC005,75 | 5,75 | 139 | 91 | 1 |
| 1300TC005,8 | 5,80 | 139 | 91 | 1 |
| 1300TC005,9 | 5,90 | 139 | 91 | 1 |
| 1300TC006 | 6,00 | 139 | 91 | 1 |
| 1300TC006,2 | 6,20 | 148 | 97 | 1 |
| 1300TC006,5 | 6,50 | 148 | 97 | 1 |
| 1300TC006,8 | 6,80 | 156 | 102 | 1 |
| 1300TC007 | 7,00 | 156 | 102 | 1 |
| 1300TC007,2 | 7,20 | 156 | 102 | 1 |
| 1300TC007,5 | 7,50 | 156 | 102 | 1 |
| 1300TC008 | 8,00 | 165 | 109 | 1 |
| 1300TC008,2 | 8,20 | 165 | 109 | 1 |
| 1300TC008,5 | 8,50 | 165 | 109 | 1 |
| 1300TC008,8 | 8,80 | 175 | 115 | 1 |
| 1300TC009 | 9,00 | 175 | 115 | 1 |
| 1300TC009,5 | 9,50 | 175 | 115 | 1 |
| 1300TC009,8 | 9,80 | 184 | 121 | 1 |
| 1300TC010 | 10,00 | 184 | 121 | 1 |
| 1300TC010,5 | 10,50 | 184 | 121 | 1 |
| 1300TC011 | 11,00 | 195 | 128 | 1 |
| 1300TC011,5 | 11,50 | 195 | 128 | 1 |
| 1300TC012 | 12,00 | 205 | 134 | 1 |
| 1300TC013 | 13,00 | 205 | 134 | 1 |

Punte Elicoidali Serie Extra Lunga



1040

HSS

DIN
1869 N

118°



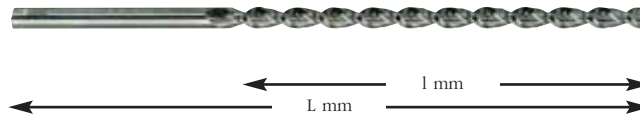
Finitura
Blu

Rettif.

< 800
N/mm²

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|------------|---------|---------|---|----------|
| 1040002 | 2,00 | 125 | 85 | 1 | |
| 1040002,5 | 2,50 | 140 | 95 | 1 | |
| 1040003 | 3,00 | 150 | 100 | 1 | |
| 1040003A | 3,00 | 190 | 136 | 1 | |
| 1040003,5 | 3,50 | 165 | 115 | 1 | |
| 1040003,5A | 3,50 | 210 | 145 | 1 | |
| 1040003,5B | 3,50 | 265 | 180 | 1 | |
| 1040004 | 4,00 | 175 | 120 | 1 | |
| 1040004A | 4,00 | 220 | 150 | 1 | |
| 1040004B | 4,00 | 280 | 190 | 1 | |
| 1040004,5 | 4,50 | 185 | 125 | 1 | |
| 1040004,5A | 4,50 | 235 | 160 | 1 | |
| 1040004,5B | 4,50 | 295 | 200 | 1 | |
| 1040005 | 5,00 | 195 | 135 | 1 | |
| 1040005A | 5,00 | 245 | 170 | 1 | |
| 1040005B | 5,00 | 315 | 210 | 1 | |
| 1040005,5 | 5,50 | 205 | 140 | 1 | |
| 1040005,5A | 5,50 | 260 | 180 | 1 | |
| 1040005,5B | 5,50 | 330 | 225 | 1 | |
| 1040006 | 6,00 | 205 | 140 | 1 | |
| 1040006A | 6,00 | 260 | 180 | 1 | |
| 1040006B | 6,00 | 330 | 225 | 1 | |
| 1040006,5 | 6,50 | 215 | 150 | 1 | |
| 1040006,5A | 6,50 | 275 | 190 | 1 | |
| 1040006,5B | 6,50 | 350 | 235 | 1 | |
| 1040007 | 7,00 | 225 | 155 | 1 | |
| 1040007A | 7,00 | 290 | 200 | 1 | |
| 1040007B | 7,00 | 370 | 250 | 1 | |
| 1040007,5 | 7,50 | 225 | 155 | 1 | |
| 1040007,5A | 7,50 | 290 | 200 | 1 | |
| 1040007,5B | 7,50 | 370 | 250 | 1 | |
| 1040008 | 8,00 | 240 | 165 | 1 | |
| 1040008A | 8,00 | 305 | 210 | 1 | |
| 1040008B | 8,00 | 390 | 265 | 1 | |
| 1040008,5 | 8,50 | 240 | 165 | 1 | |
| 1040008,5A | 8,50 | 305 | 210 | 1 | |
| 1040008,5B | 8,50 | 390 | 265 | 1 | |
| 1040009 | 9,00 | 250 | 175 | 1 | |
| 1040009A | 9,00 | 320 | 220 | 1 | |
| 1040009B | 9,00 | 410 | 280 | 1 | |
| 1040009,5 | 9,50 | 250 | 175 | 1 | |
| 1040009,5A | 9,50 | 320 | 220 | 1 | |
| 1040009,5B | 9,50 | 410 | 280 | 1 | |
| 1040010 | 10,00 | 265 | 185 | 1 | |
| 1040010A | 10,00 | 340 | 235 | 1 | |
| 1040010B | 10,00 | 430 | 295 | 1 | |
| 1040011 | 11,00 | 280 | 195 | 1 | |
| 1040012 | 12,00 | 295 | 205 | 1 | |

Punte Elicoidali Serie Extra Lunga - Esecuzione elica 40°



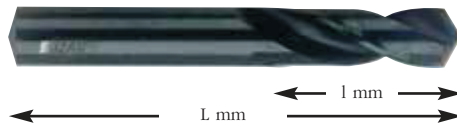
ref. **9040**



| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|-------------|---------|------|------|---|--------|
| 9040002 | 2,00 | 125 | 85 | 1 | |
| 9040002,25 | 2,25 | 135 | 90 | 1 | |
| 9040002,5 | 2,50 | 140 | 95 | 1 | |
| 9040002,75 | 2,75 | 150 | 100 | 1 | |
| 9040003 | 3,00 | 150 | 100 | 1 | |
| 9040003A | 3,00 | 190 | 130 | 1 | |
| 9040003,25 | 3,25 | 155 | 105 | 1 | |
| 9040003,25A | 3,25 | 200 | 135 | 1 | |
| 9040003,5 | 3,50 | 165 | 115 | 1 | |
| 9040003,5A | 3,50 | 210 | 145 | 1 | |
| 9040003,5B | 3,50 | 265 | 180 | 1 | |
| 9040003,75 | 3,75 | 165 | 115 | 1 | |
| 9040003,75A | 3,75 | 210 | 145 | 1 | |
| 9040003,75B | 3,75 | 265 | 180 | 1 | |
| 9040004 | 4,00 | 175 | 120 | 1 | |
| 9040004A | 4,00 | 220 | 150 | 1 | |
| 9040004B | 4,00 | 280 | 190 | 1 | |
| 9040004,25 | 4,25 | 175 | 120 | 1 | |
| 9040004,25A | 4,25 | 220 | 150 | 1 | |
| 9040004,25B | 4,25 | 280 | 190 | 1 | |
| 9040004,5 | 4,50 | 185 | 125 | 1 | |
| 9040004,5A | 4,50 | 235 | 160 | 1 | |
| 9040004,5B | 4,50 | 295 | 220 | 1 | |
| 9040004,75 | 4,75 | 185 | 125 | 1 | |
| 9040004,75A | 4,75 | 235 | 160 | 1 | |
| 9040004,75B | 4,75 | 295 | 200 | 1 | |
| 9040005 | 5,00 | 195 | 135 | 1 | |
| 9040005A | 5,00 | 245 | 170 | 1 | |
| 9040005B | 5,00 | 315 | 210 | 1 | |
| 9040005,25 | 5,25 | 195 | 135 | 1 | |
| 9040005,25A | 5,25 | 245 | 170 | 1 | |
| 9040005,25B | 5,25 | 315 | 210 | 1 | |
| 9040005,5 | 5,50 | 205 | 140 | 1 | |
| 9040005,5A | 5,50 | 260 | 180 | 1 | |
| 9040005,5B | 5,50 | 330 | 225 | 1 | |
| 9040005,75 | 5,75 | 205 | 140 | 1 | |
| 9040005,75A | 5,75 | 260 | 180 | 1 | |
| 9040005,75B | 5,75 | 330 | 225 | 1 | |
| 9040006 | 6,00 | 205 | 140 | 1 | |
| 9040006A | 6,00 | 260 | 180 | 1 | |
| 9040006B | 6,00 | 330 | 225 | 1 | |
| 9040006,25 | 6,25 | 215 | 150 | 1 | |
| 9040006,25A | 6,25 | 275 | 190 | 1 | |
| 9040006,25B | 6,25 | 350 | 235 | 1 | |
| 9040006,5 | 6,50 | 215 | 150 | 1 | |
| 9040006,5A | 6,50 | 275 | 190 | 1 | |
| 9040006,5B | 6,50 | 350 | 235 | 1 | |
| 9040006,75 | 6,75 | 225 | 155 | 1 | |
| 9040006,75A | 6,75 | 290 | 200 | 1 | |
| 9040006,75B | 6,75 | 370 | 250 | 1 | |
| 9040007 | 7,00 | 225 | 155 | 1 | |
| 9040007A | 7,00 | 290 | 200 | 1 | |
| 9040007B | 7,00 | 370 | 250 | 1 | |
| 9040007,25 | 7,25 | 225 | 155 | 1 | |

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|-------------|---------|------|------|---|--------|
| 9040007,25A | 7,25 | 290 | 200 | 1 | |
| 9040007,25B | 7,25 | 370 | 250 | 1 | |
| 9040007,5 | 7,50 | 225 | 155 | 1 | |
| 9040007,5A | 7,50 | 290 | 200 | 1 | |
| 9040007,5B | 7,50 | 370 | 250 | 1 | |
| 9040007,75 | 7,75 | 240 | 165 | 1 | |
| 9040007,75A | 7,75 | 305 | 210 | 1 | |
| 9040007,75B | 7,75 | 390 | 265 | 1 | |
| 9040008 | 8,00 | 240 | 165 | 1 | |
| 9040008A | 8,00 | 305 | 210 | 1 | |
| 9040008B | 8,00 | 390 | 265 | 1 | |
| 9040008,25 | 8,25 | 240 | 165 | 1 | |
| 9040008,25A | 8,25 | 305 | 210 | 1 | |
| 9040008,25B | 8,25 | 390 | 265 | 1 | |
| 9040008,5 | 8,50 | 240 | 165 | 1 | |
| 9040008,5A | 8,50 | 305 | 210 | 1 | |
| 9040008,5B | 8,50 | 390 | 265 | 1 | |
| 9040008,75 | 8,75 | 240 | 165 | 1 | |
| 9040008,75A | 8,75 | 320 | 220 | 1 | |
| 9040008,75B | 8,75 | 410 | 280 | 1 | |
| 9040009 | 9,00 | 250 | 175 | 1 | |
| 9040009A | 9,00 | 320 | 220 | 1 | |
| 9040009B | 9,00 | 410 | 280 | 1 | |
| 9040009,25 | 9,25 | 250 | 175 | 1 | |
| 9040009,25A | 9,25 | 320 | 220 | 1 | |
| 9040009,25B | 9,25 | 410 | 280 | 1 | |
| 9040009,5 | 9,50 | 250 | 175 | 1 | |
| 9040009,5A | 9,50 | 320 | 220 | 1 | |
| 9040009,5B | 9,50 | 410 | 280 | 1 | |
| 9040009,75 | 9,75 | 265 | 185 | 1 | |
| 9040009,75A | 9,75 | 340 | 235 | 1 | |
| 9040009,75B | 9,75 | 430 | 295 | 1 | |
| 9040010 | 10,00 | 265 | 185 | 1 | |
| 9040010A | 10,00 | 340 | 235 | 1 | |
| 9040010B | 10,00 | 430 | 295 | 1 | |
| 9040010,5 | 10,50 | 265 | 185 | 1 | |
| 9040010,5A | 10,50 | 340 | 235 | 1 | |
| 9040010,5B | 10,50 | 430 | 295 | 1 | |
| 9040011 | 11,00 | 280 | 195 | 1 | |
| 9040011A | 11,00 | 365 | 250 | 1 | |
| 9040011B | 11,00 | 455 | 310 | 1 | |
| 9040011,5 | 11,50 | 280 | 195 | 1 | |
| 9040011,5A | 11,50 | 365 | 250 | 1 | |
| 9040011,5B | 11,50 | 455 | 310 | 1 | |
| 9040012 | 12,00 | 295 | 205 | 1 | |
| 9040012A | 12,00 | 375 | 260 | 1 | |
| 9040012B | 12,00 | 480 | 330 | 1 | |
| 9040012,5 | 12,50 | 295 | 205 | 1 | |
| 9040012,5A | 12,50 | 375 | 260 | 1 | |
| 9040012,5B | 12,50 | 480 | 330 | 1 | |
| 9040013 | 13,00 | 295 | 205 | 1 | |
| 9040013A | 13,00 | 375 | 260 | 1 | |
| 9040013B | 13,00 | 480 | 330 | 1 | |

Punte Elicoidali Serie Extra Corta



ref. **1050**

HSS

DIN 1897 N

135°

Rettif.

Finitura Blu

< 800 N/mm²

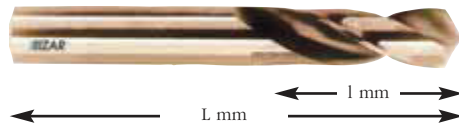
* DIN 1412 tipo C desde ø 2 mm.

* DIN 1412 C type from ø 2 mm.

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1050001 | 1,00 | 26 | 6 | 10 | |
| 1050001,25 | 1,25 | 30 | 8 | 10 | |
| 1050001,5 | 1,50 | 32 | 9 | 10 | |
| 1050001,6 | 1,60 | 34 | 10 | 10 | |
| 1050001,75 | 1,75 | 36 | 11 | 10 | |
| 1050001,8 | 1,80 | 36 | 11 | 10 | |
| 1050002 | 2,00 | 38 | 12 | 10 | |
| 1050002,1 | 2,10 | 38 | 12 | 10 | |
| 1050002,2 | 2,20 | 40 | 13 | 10 | |
| 1050002,25 | 2,25 | 40 | 13 | 10 | |
| 1050002,3 | 2,30 | 40 | 13 | 10 | |
| 1050002,4 | 2,40 | 43 | 14 | 10 | |
| 1050002,5 | 2,50 | 43 | 14 | 10 | |
| 1050002,6 | 2,60 | 43 | 14 | 10 | |
| 1050002,7 | 2,70 | 46 | 16 | 10 | |
| 1050002,75 | 2,75 | 46 | 16 | 10 | |
| 1050002,8 | 2,80 | 46 | 16 | 10 | |
| 1050002,9 | 2,90 | 46 | 16 | 10 | |
| 1050003 | 3,00 | 46 | 16 | 10 | |
| 1050003,1 | 3,10 | 49 | 18 | 10 | |
| 1050003,2 | 3,20 | 49 | 18 | 10 | |
| 1050003,25 | 3,25 | 49 | 18 | 10 | |
| 1050003,3 | 3,30 | 49 | 18 | 10 | |
| 1050003,4 | 3,40 | 52 | 20 | 10 | |
| 1050003,5 | 3,50 | 52 | 20 | 10 | |
| 1050003,6 | 3,60 | 52 | 20 | 10 | |
| 1050003,7 | 3,70 | 52 | 20 | 10 | |
| 1050003,75 | 3,75 | 52 | 20 | 10 | |
| 1050003,8 | 3,80 | 55 | 22 | 10 | |
| 1050003,9 | 3,90 | 55 | 22 | 10 | |
| 1050004 | 4,00 | 55 | 22 | 10 | |
| 1050004,1 | 4,10 | 55 | 22 | 10 | |
| 1050004,2 | 4,20 | 55 | 22 | 10 | |
| 1050004,25 | 4,25 | 55 | 22 | 10 | |
| 1050004,3 | 4,30 | 58 | 24 | 10 | |
| 1050004,4 | 4,40 | 58 | 24 | 10 | |
| 1050004,5 | 4,50 | 58 | 24 | 10 | |
| 1050004,6 | 4,60 | 58 | 24 | 10 | |
| 1050004,7 | 4,70 | 58 | 24 | 10 | |
| 1050004,75 | 4,75 | 58 | 24 | 10 | |
| 1050004,8 | 4,80 | 62 | 26 | 10 | |
| 1050004,9 | 4,90 | 62 | 26 | 10 | |
| 1050005 | 5,00 | 62 | 26 | 10 | |
| 1050005,1 | 5,10 | 62 | 26 | 10 | |
| 1050005,2 | 5,20 | 62 | 26 | 10 | |
| 1050005,25 | 5,25 | 62 | 26 | 10 | |
| 1050005,3 | 5,30 | 62 | 26 | 10 | |
| 1050005,4 | 5,40 | 66 | 28 | 10 | |
| 1050005,5 | 5,50 | 66 | 28 | 10 | |
| 1050005,6 | 5,60 | 66 | 28 | 10 | |
| 1050005,7 | 5,70 | 66 | 28 | 10 | |
| 1050005,75 | 5,75 | 66 | 28 | 10 | |
| 1050005,8 | 5,80 | 66 | 28 | 10 | |
| 1050005,9 | 5,90 | 66 | 28 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSS € |
|------------|---------|------|------|----|-------|
| 1050006 | 6,00 | 66 | 28 | 10 | |
| 1050006,1 | 6,10 | 70 | 31 | 10 | |
| 1050006,2 | 6,20 | 70 | 31 | 10 | |
| 1050006,25 | 6,25 | 70 | 31 | 10 | |
| 1050006,3 | 6,30 | 70 | 31 | 10 | |
| 1050006,4 | 6,40 | 70 | 31 | 10 | |
| 1050006,5 | 6,50 | 70 | 31 | 10 | |
| 1050006,6 | 6,60 | 74 | 34 | 10 | |
| 1050006,7 | 6,70 | 74 | 34 | 10 | |
| 1050006,75 | 6,75 | 74 | 34 | 10 | |
| 1050006,8 | 6,80 | 74 | 34 | 10 | |
| 1050007 | 7,00 | 74 | 34 | 10 | |
| 1050007,2 | 7,20 | 74 | 34 | 10 | |
| 1050007,25 | 7,25 | 74 | 34 | 10 | |
| 1050007,5 | 7,50 | 74 | 34 | 10 | |
| 1050007,75 | 7,75 | 79 | 37 | 10 | |
| 1050007,8 | 7,80 | 79 | 37 | 10 | |
| 1050008 | 8,00 | 79 | 37 | 10 | |
| 1050008,25 | 8,25 | 79 | 37 | 10 | |
| 1050008,5 | 8,50 | 79 | 37 | 10 | |
| 1050008,75 | 8,75 | 84 | 40 | 10 | |
| 1050009 | 9,00 | 84 | 40 | 10 | |
| 1050009,25 | 9,25 | 84 | 40 | 10 | |
| 1050009,5 | 9,50 | 84 | 40 | 10 | |
| 1050009,75 | 9,75 | 89 | 43 | 10 | |
| 1050010 | 10,00 | 89 | 43 | 10 | |
| 1050010,2 | 10,20 | 89 | 43 | 1 | |
| 1050010,25 | 10,25 | 89 | 43 | 1 | |
| 1050010,5 | 10,50 | 89 | 43 | 1 | |
| 1050011 | 11,00 | 95 | 47 | 1 | |
| 1050011,25 | 11,25 | 95 | 47 | 1 | |
| 1050011,5 | 11,50 | 95 | 47 | 1 | |
| 1050012 | 12,00 | 102 | 51 | 1 | |
| 1050012,25 | 12,25 | 102 | 51 | 1 | |
| 1050012,5 | 12,50 | 102 | 51 | 1 | |
| 1050012,7 | 12,70 | 102 | 51 | 1 | |
| 1050013 | 13,00 | 102 | 51 | 1 | |
| 1050013,5 | 13,50 | 107 | 54 | 1 | |
| 1050014 | 14,00 | 107 | 54 | 1 | |
| 1050014,5 | 14,50 | 111 | 56 | 1 | |
| 1050015 | 15,00 | 111 | 56 | 1 | |
| 1050015,5 | 15,50 | 115 | 58 | 1 | |
| 1050016 | 16,00 | 115 | 58 | 1 | |
| 1050016,5 | 16,50 | 119 | 60 | 1 | |
| 1050017 | 17,00 | 119 | 60 | 1 | |
| 1050017,5 | 17,50 | 123 | 62 | 1 | |
| 1050018 | 18,00 | 123 | 62 | 1 | |
| 1050018,5 | 18,50 | 127 | 64 | 1 | |
| 1050019 | 19,00 | 127 | 64 | 1 | |
| 1050019,5 | 19,50 | 131 | 66 | 1 | |
| 1050020 | 20,00 | 131 | 66 | 1 | |

Punte Elicoidali Serie Extra Corta - Affilatura Split Point 135°



ref. **1056**

HSSE

DIN 1897 N



Rettif.

Tratt. Gold Finish

> 850
≤ 1250
N/mm²

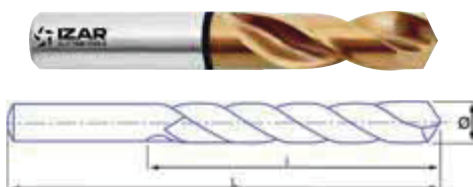
* DIN 1412 tipo C
desde ø 2 mm.

* DIN 1412 C type from
ø 2 mm.

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|------------|------------|---------|---------|----|-----------|
| 1056001 | 1,00 | 26 | 6 | 10 | |
| 1056001,25 | 1,25 | 30 | 8 | 10 | |
| 1056001,5 | 1,50 | 32 | 9 | 10 | |
| 1056001,6 | 1,60 | 34 | 10 | 10 | |
| 1056001,75 | 1,75 | 36 | 11 | 10 | |
| 1056001,8 | 1,80 | 36 | 11 | 10 | |
| 1056002 | 2,00 | 38 | 12 | 10 | |
| 1056002,1 | 2,10 | 38 | 12 | 10 | |
| 1056002,2 | 2,20 | 40 | 13 | 10 | |
| 1056002,25 | 2,25 | 40 | 13 | 10 | |
| 1056002,3 | 2,30 | 40 | 13 | 10 | |
| 1056002,4 | 2,40 | 43 | 14 | 10 | |
| 1056002,5 | 2,50 | 43 | 14 | 10 | |
| 1056002,6 | 2,60 | 43 | 14 | 10 | |
| 1056002,7 | 2,70 | 46 | 16 | 10 | |
| 1056002,75 | 2,75 | 46 | 16 | 10 | |
| 1056002,8 | 2,80 | 46 | 16 | 10 | |
| 1056002,9 | 2,90 | 46 | 16 | 10 | |
| 1056003 | 3,00 | 46 | 16 | 10 | |
| 1056003,1 | 3,10 | 49 | 18 | 10 | |
| 1056003,2 | 3,20 | 49 | 18 | 10 | |
| 1056003,25 | 3,25 | 49 | 18 | 10 | |
| 1056003,3 | 3,30 | 49 | 18 | 10 | |
| 1056003,4 | 3,40 | 52 | 20 | 10 | |
| 1056003,5 | 3,50 | 52 | 20 | 10 | |
| 1056003,6 | 3,60 | 52 | 20 | 10 | |
| 1056003,7 | 3,70 | 52 | 20 | 10 | |
| 1056003,75 | 3,75 | 52 | 20 | 10 | |
| 1056003,8 | 3,80 | 55 | 22 | 10 | |
| 1056003,9 | 3,90 | 55 | 22 | 10 | |
| 1056004 | 4,00 | 55 | 22 | 10 | |
| 1056004,1 | 4,10 | 55 | 22 | 10 | |
| 1056004,2 | 4,20 | 55 | 22 | 10 | |
| 1056004,25 | 4,25 | 55 | 22 | 10 | |
| 1056004,3 | 4,30 | 58 | 24 | 10 | |
| 1056004,4 | 4,40 | 58 | 24 | 10 | |
| 1056004,5 | 4,50 | 58 | 24 | 10 | |
| 1056004,6 | 4,60 | 58 | 24 | 10 | |
| 1056004,7 | 4,70 | 58 | 24 | 10 | |
| 1056004,75 | 4,75 | 58 | 24 | 10 | |
| 1056004,8 | 4,80 | 62 | 26 | 10 | |
| 1056004,9 | 4,90 | 62 | 26 | 10 | |
| 1056005 | 5,00 | 62 | 26 | 10 | |
| 1056005,1 | 5,10 | 62 | 26 | 10 | |
| 1056005,2 | 5,20 | 62 | 26 | 10 | |
| 1056005,25 | 5,25 | 62 | 26 | 10 | |
| 1056005,3 | 5,30 | 62 | 26 | 10 | |
| 1056005,4 | 5,40 | 66 | 28 | 10 | |
| 1056005,5 | 5,50 | 66 | 28 | 10 | |
| 1056005,6 | 5,60 | 66 | 28 | 10 | |
| 1056005,7 | 5,70 | 66 | 28 | 10 | |
| 1056005,75 | 5,75 | 66 | 28 | 10 | |
| 1056005,8 | 5,80 | 66 | 28 | 10 | |
| 1056005,9 | 5,90 | 66 | 28 | 10 | |

| Codice | Ø mm h8 | L mm | l mm | | HSSE € |
|------------|------------|---------|---------|----|-----------|
| 1056006 | 6,00 | 66 | 28 | 10 | |
| 1056006,1 | 6,10 | 70 | 31 | 10 | |
| 1056006,2 | 6,20 | 70 | 31 | 10 | |
| 1056006,25 | 6,25 | 70 | 31 | 10 | |
| 1056006,3 | 6,30 | 70 | 31 | 10 | |
| 1056006,4 | 6,40 | 70 | 31 | 10 | |
| 1056006,5 | 6,50 | 70 | 31 | 10 | |
| 1056006,6 | 6,60 | 74 | 34 | 10 | |
| 1056006,7 | 6,70 | 74 | 34 | 10 | |
| 1056006,75 | 6,75 | 74 | 34 | 10 | |
| 1056006,8 | 6,80 | 74 | 34 | 10 | |
| 1056007 | 7,00 | 74 | 34 | 10 | |
| 1056007,25 | 7,25 | 74 | 34 | 10 | |
| 1056007,5 | 7,50 | 74 | 34 | 10 | |
| 1056007,75 | 7,75 | 79 | 37 | 10 | |
| 1056007,8 | 7,80 | 79 | 37 | 10 | |
| 1056008 | 8,00 | 79 | 37 | 10 | |
| 1056008,25 | 8,25 | 79 | 37 | 10 | |
| 1056008,5 | 8,50 | 79 | 37 | 10 | |
| 1056008,75 | 8,75 | 84 | 40 | 10 | |
| 1056009 | 9,00 | 84 | 40 | 10 | |
| 1056009,25 | 9,25 | 84 | 40 | 10 | |
| 1056009,5 | 9,50 | 84 | 40 | 10 | |
| 1056009,75 | 9,75 | 89 | 43 | 10 | |
| 1056010 | 10,00 | 89 | 43 | 10 | |
| 1056010,2 | 10,20 | 89 | 43 | 1 | |
| 1056010,25 | 10,25 | 89 | 43 | 1 | |
| 1056010,5 | 10,50 | 89 | 43 | 1 | |
| 1056011 | 11,00 | 95 | 47 | 1 | |
| 1056011,25 | 11,25 | 95 | 47 | 1 | |
| 1056011,5 | 11,50 | 95 | 47 | 1 | |
| 1056012 | 12,00 | 102 | 51 | 1 | |
| 1056012,25 | 12,25 | 102 | 51 | 1 | |
| 1056012,5 | 12,50 | 102 | 51 | 1 | |
| 1056012,7 | 12,70 | 102 | 51 | 1 | |
| 1056013 | 13,00 | 102 | 51 | 1 | |
| 1056013,5 | 13,50 | 107 | 54 | 1 | |
| 1056014 | 14,00 | 107 | 54 | 1 | |
| 1056014,5 | 14,50 | 111 | 56 | 1 | |
| 1056015 | 15,00 | 111 | 56 | 1 | |
| 1056015,5 | 15,50 | 115 | 58 | 1 | |
| 1056016 | 16,00 | 115 | 58 | 1 | |
| 1056016,5 | 16,50 | 119 | 60 | 1 | |
| 1056017 | 17,00 | 119 | 60 | 1 | |
| 1056017,5 | 17,50 | 123 | 62 | 1 | |
| 1056018 | 18,00 | 123 | 62 | 1 | |
| 1056018,5 | 18,50 | 127 | 64 | 1 | |
| 1056019 | 19,00 | 127 | 64 | 1 | |
| 1056019,5 | 19,50 | 131 | 66 | 1 | |
| 1056020 | 20,00 | 131 | 66 | 1 | |

Punte HSS Co 5% Ricoperte ALCR "S". Serie Extra corta



ref. **1054**

Cobalt
"S"
(X-AlCr)

DIN
1897 N

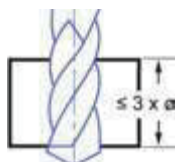
135°



DIN
1412 C
≥ 2 mm



Rectif.
Ground



| Material Grupo | Vc 5%Co | Avances mm/rev. Feed | | | | | | | | | |
|-----------------------|------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Ø 2 | Ø 3 | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | Ø 16 | Ø 18 |
| HARDOX 450 | 6-8 | 0,020 | 0,030 | 0,040 | 0,050 | 0,060 | 0,080 | 0,100 | 0,120 | 0,160 | 0,180 |

r.p.m. = $\frac{Vc \times 1.000}{p \times \phi}$

- 1- Punta ad alto rendimento
- 2- Nucleo rinforzato
- 3- Nuovo rivestimento AlCr



| Cod. | Ø mm h8 | L mm | l mm | | € |
|-----------|------------|---------|---------|---|---|
| 1054002 | 2,00 | 38 | 12 | 1 | |
| 1054002,5 | 2,50 | 43 | 14 | 1 | |
| 1054003 | 3,00 | 46 | 16 | 1 | |
| 1054003,3 | 3,30 | 49 | 18 | 1 | |
| 1054003,5 | 3,50 | 52 | 20 | 1 | |
| 1054004 | 4,00 | 55 | 22 | 1 | |
| 1054004,2 | 4,20 | 55 | 22 | 1 | |
| 1054004,5 | 4,50 | 58 | 24 | 1 | |
| 1054005 | 5,00 | 62 | 26 | 1 | |
| 1054005,5 | 5,50 | 66 | 28 | 1 | |
| 1054006 | 6,00 | 66 | 28 | 1 | |
| 1054006,5 | 6,50 | 70 | 31 | 1 | |
| 1054006,8 | 6,80 | 74 | 34 | 1 | |
| 1054007 | 7,00 | 74 | 34 | 1 | |
| 1054007,5 | 7,50 | 74 | 34 | 1 | |
| 1054008 | 8,00 | 79 | 37 | 1 | |
| 1054008,5 | 8,50 | 79 | 37 | 1 | |
| 1054009 | 9,00 | 84 | 40 | 1 | |
| 1054009,5 | 9,50 | 84 | 40 | 1 | |
| 1054010 | 10,00 | 89 | 43 | 1 | |
| 1054010,2 | 10,20 | 89 | 43 | 1 | |
| 1054010,5 | 10,50 | 89 | 43 | 1 | |
| 1054011 | 11,00 | 95 | 47 | 1 | |
| 1054011,5 | 11,50 | 95 | 47 | 1 | |
| 1054012 | 12,00 | 102 | 51 | 1 | |
| 1054012,5 | 12,50 | 102 | 51 | 1 | |
| 1054013 | 13,00 | 102 | 51 | 1 | |
| 1054014 | 14,00 | 107 | 54 | 1 | |
| 1054015 | 15,00 | 111 | 56 | 1 | |
| 1054016 | 16,00 | 115 | 58 | 1 | |
| 1054018 | 18,00 | 123 | 62 | 1 | |

Punte ad Eliche Indipendenti per Viti



ref. **2536**

Viti Testa Cilindr.
 Codolo Cilindr.
 HSS 180°
 DIN 8376
 Rettif.
 Finitura Bianca

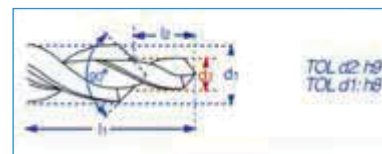
| Codice | Rosca Métrica Thread | Ø d2 mm | Ø d1 mm | L mm | l1 mm | l2 mm | HSS € |
|---------|----------------------|---------|---------|------|-------|-------|-------|
| 2536M03 | M-3 | 3,40 | 6 | 93 | 57 | 9 | |
| 2536M04 | M-4 | 4,50 | 8 | 117 | 75 | 11 | |
| 2536M05 | M-5 | 5,50 | 10 | 133 | 87 | 13 | |
| 2536M06 | M-6 | 6,60 | 11 | 142 | 94 | 15 | |
| 2536M08 | M-8 | 9,00 | 15 | 169 | 114 | 19 | |
| 2536M10 | M-10 | 11,00 | 18 | 191 | 130 | 23 | |



ref. **2636**

Viti Testa Cilindr.
 Codolo Conico
 HSS 180°
 DIN 8377
 Rettif.
 Finitura Bianca

| Codice | Rosca Métrica Thread | Cono Morse | Ø d2 mm | Ø d1 mm | L mm | l1 mm | l2 mm | HSS € |
|---------|----------------------|------------|---------|---------|------|-------|-------|-------|
| 2636M08 | M-8 | 2 | 9,00 | 15 | 212 | 114 | 19 | |
| 2636M10 | M-10 | 2 | 11,00 | 18 | 228 | 130 | 23 | |
| 2636M12 | M-12 | 2 | 13,50 | 20 | 238 | 140 | 27 | |
| 2636M14 | M-14 | 3 | 15,50 | 24 | 281 | 160 | 31 | |
| 2636M16 | M-16 | 3 | 17,50 | 26 | 286 | 165 | 35 | |
| 2636M18 | M-18 | 3 | 20,00 | 30 | 296 | 175 | 39 | |
| 2636M20 | M-20 | 4 | 22,00 | 33 | 334 | 185 | 43 | |



ref. **2546**

Viti Testa Svasata
 Codolo Cilindr.
 HSS 90°
 DIN 8374
 Rettif.
 Finitura Bianca

| Codice | Rosca Métrica Thread | Ø d2 mm | Ø d1 mm | L mm | l1 mm | l2 mm | HSS € |
|---------|----------------------|---------|---------|------|-------|-------|-------|
| 2546M03 | M-3 | 3,20 | 6,00 | 93 | 57 | 9 | |
| 2546M04 | M-4 | 4,30 | 8,00 | 117 | 75 | 11 | |
| 2546M05 | M-5 | 5,30 | 10,00 | 133 | 87 | 13 | |
| 2546M06 | M-6 | 6,40 | 11,50 | 142 | 94 | 15 | |
| 2546M08 | M-8 | 8,40 | 15,00 | 169 | 114 | 19 | |
| 2546M10 | M-10 | 10,50 | 19,00 | 198 | 135 | 23 | |

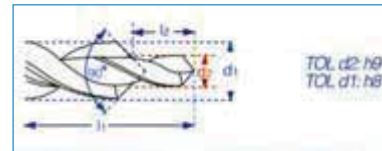
Punte ad Eliche Indipendenti per Viti



ref. **2646**



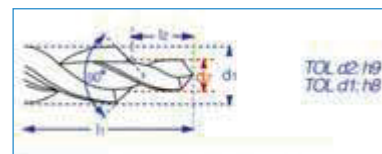
| Codice | Rosca Métrica Thread | Cono Morse | Ø d2 mm | Ø d1 mm | L mm | l1 mm | l2 mm | HSS € |
|---------|----------------------|------------|---------|---------|------|-------|-------|-------|
| 2646M05 | M-5 | 1 | 5,50 | 11,00 | 175 | 94 | 13 | |
| 2646M06 | M-6 | 1 | 6,60 | 13,00 | 182 | 101 | 15 | |
| 2646M08 | M-8 | 2 | 9,00 | 17,20 | 228 | 130 | 19 | |
| 2646M10 | M-10 | 2 | 11,00 | 21,50 | 248 | 150 | 23 | |



ref. **2544**



| Codice | Rosca Métrica Thread | Ø d2 mm | Ø d1 mm | L mm | l1 mm | l2 mm | HSS € |
|---------|----------------------|---------|---------|------|-------|-------|-------|
| 2544M03 | M-3 | 2,50 | 3,40 | 70 | 39 | 8,80 | |
| 2544M04 | M-4 | 3,30 | 4,50 | 80 | 47 | 11,40 | |
| 2544M05 | M-5 | 4,20 | 5,50 | 93 | 57 | 13,60 | |
| 2544M06 | M-6 | 5,00 | 6,60 | 101 | 63 | 16,50 | |
| 2544M08 | M-8 | 6,80 | 9,00 | 125 | 81 | 21,00 | |
| 2544M10 | M-10 | 8,50 | 11,00 | 142 | 94 | 25,50 | |
| 2544M12 | M-12 | 10,20 | 13,50 | 160 | 108 | 30,00 | |

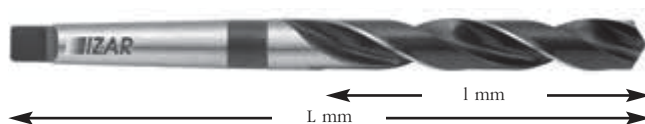


ref. **2644**



| Codice | Rosca Métrica Thread | Cono Morse | Ø d2 mm | Ø d1 mm | L mm | l1 mm | l2 mm | HSS € |
|---------|----------------------|------------|---------|---------|------|-------|-------|-------|
| 2644M08 | M-8 | 1 | 6,80 | 9,00 | 162 | 81 | 21,00 | |
| 2644M10 | M-10 | 1 | 8,50 | 11,00 | 175 | 94 | 25,50 | |
| 2644M12 | M-12 | 1 | 10,20 | 13,50 | 189 | 108 | 30,00 | |
| 2644M14 | M-14 | 2 | 12,00 | 15,50 | 218 | 120 | 34,50 | |
| 2644M16 | M-16 | 2 | 14,00 | 17,50 | 228 | 130 | 38,50 | |
| 2644M18 | M-18 | 2 | 15,50 | 20,00 | 238 | 140 | 43,50 | |
| 2644M20 | M-20 | 2 | 17,50 | 22,00 | 248 | 150 | 47,50 | |

Punte Elicoidali Serie Corta Codolo Conico



ref. **1110**

HSS

DIN 345 N



Rettif.

Finitura Blu

< 800 N/mm²

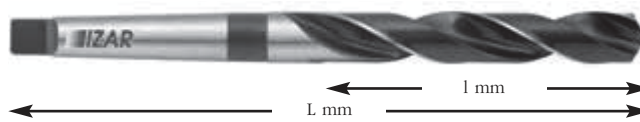
* ø 5 - 17,75 mm:
DIN 1412 A

* ø 18-25 mm:
DIN 1412 S

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|------------|---------|------|------|------------|-------|
| 1110005 | 5,00 | 133 | 52 | 1 | |
| 1110005,25 | 5,25 | 133 | 52 | 1 | |
| 1110005,5 | 5,50 | 138 | 57 | 1 | |
| 1110005,75 | 5,75 | 138 | 57 | 1 | |
| 1110006 | 6,00 | 138 | 57 | 1 | |
| 1110006,25 | 6,25 | 144 | 63 | 1 | |
| 1110006,5 | 6,50 | 144 | 63 | 1 | |
| 1110006,75 | 6,75 | 150 | 69 | 1 | |
| 1110007 | 7,00 | 150 | 69 | 1 | |
| 1110007,25 | 7,25 | 150 | 69 | 1 | |
| 1110007,5 | 7,50 | 150 | 69 | 1 | |
| 1110007,75 | 7,75 | 156 | 75 | 1 | |
| 1110008 | 8,00 | 156 | 75 | 1 | |
| 1110008,25 | 8,25 | 156 | 75 | 1 | |
| 1110008,5 | 8,50 | 156 | 75 | 1 | |
| 1110008,75 | 8,75 | 162 | 81 | 1 | |
| 1110009 | 9,00 | 162 | 81 | 1 | |
| 1110009,25 | 9,25 | 162 | 81 | 1 | |
| 1110009,5 | 9,50 | 162 | 81 | 1 | |
| 1110009,75 | 9,75 | 168 | 87 | 1 | |
| 1110010 | 10,00 | 168 | 87 | 1 | |
| 1110010,25 | 10,25 | 168 | 87 | 1 | |
| 1110010,5 | 10,50 | 168 | 87 | 1 | |
| 1110010,75 | 10,75 | 175 | 94 | 1 | |
| 1110011 | 11,00 | 175 | 94 | 1 | |
| 1110011,25 | 11,25 | 175 | 94 | 1 | |
| 1110011,5 | 11,50 | 175 | 94 | 1 | |
| 1110011,75 | 11,75 | 175 | 94 | 1 | |
| 1110012 | 12,00 | 182 | 101 | 1 | |
| 1110012,25 | 12,25 | 182 | 101 | 1 | |
| 1110012,5 | 12,50 | 182 | 101 | 1 | |
| 1110012,75 | 12,75 | 182 | 101 | 1 | |
| 1110013 | 13,00 | 182 | 101 | 1 | |
| 1110013,25 | 13,25 | 189 | 108 | 1 | |
| 1110013,5 | 13,50 | 189 | 108 | 1 | |
| 1110013,75 | 13,75 | 189 | 108 | 1 | |
| 1110014 | 14,00 | 189 | 108 | 1 | |
| 1110014,25 | 14,25 | 212 | 114 | 2 | |
| 1110014,5 | 14,50 | 212 | 114 | 2 | |
| 1110014,75 | 14,75 | 212 | 114 | 2 | |
| 1110015 | 15,00 | 212 | 114 | 2 | |
| 1110015,25 | 15,25 | 218 | 120 | 2 | |
| 1110015,5 | 15,50 | 218 | 120 | 2 | |
| 1110015,75 | 15,75 | 218 | 120 | 2 | |
| 1110016 | 16,00 | 218 | 120 | 2 | |
| 1110016,25 | 16,25 | 223 | 125 | 2 | |
| 1110016,5 | 16,50 | 223 | 125 | 2 | |
| 1110016,75 | 16,75 | 223 | 125 | 2 | |
| 1110017 | 17,00 | 223 | 125 | 2 | |
| 1110017,25 | 17,25 | 228 | 130 | 2 | |
| 1110017,5 | 17,50 | 228 | 130 | 2 | |
| 1110017,75 | 17,75 | 228 | 130 | 2 | |
| 1110018 | 18,00 | 228 | 130 | 2 | |
| 1110018,25 | 18,25 | 233 | 135 | 2 | |
| 1110018,5 | 18,50 | 233 | 135 | 2 | |
| 1110018,75 | 18,75 | 233 | 135 | 2 | |
| 1110019 | 19,00 | 233 | 135 | 2 | |
| 1110019,25 | 19,25 | 238 | 140 | 2 | |
| 1110019,5 | 19,50 | 238 | 140 | 2 | |
| 1110019,75 | 19,75 | 238 | 140 | 2 | |
| 1110020 | 20,00 | 238 | 140 | 2 | |
| 1110020,25 | 20,25 | 243 | 145 | 2 | |
| 1110020,5 | 20,50 | 243 | 145 | 2 | |

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|------------|---------|------|------|------------|-------|
| 1110020,75 | 20,75 | 243 | 145 | 2 | |
| 1110021 | 21,00 | 243 | 145 | 2 | |
| 1110021,25 | 21,25 | 248 | 150 | 2 | |
| 1110021,5 | 21,50 | 248 | 150 | 2 | |
| 1110021,75 | 21,75 | 248 | 150 | 2 | |
| 1110022 | 22,00 | 248 | 150 | 2 | |
| 1110022,25 | 22,25 | 248 | 150 | 2 | |
| 1110022,5 | 22,50 | 253 | 155 | 2 | |
| 1110022,75 | 22,75 | 253 | 155 | 2 | |
| 1110023 | 23,00 | 253 | 155 | 2 | |
| 1110023,25 | 23,25 | 276 | 155 | 3 | |
| 1110023,5 | 23,50 | 276 | 155 | 3 | |
| 1110023,75 | 23,75 | 281 | 160 | 3 | |
| 1110024 | 24,00 | 281 | 160 | 3 | |
| 1110024,25 | 24,25 | 281 | 160 | 3 | |
| 1110024,5 | 24,50 | 281 | 160 | 3 | |
| 1110024,75 | 24,75 | 281 | 160 | 3 | |
| 1110025 | 25,00 | 281 | 160 | 3 | |
| 1110025,25 | 25,25 | 286 | 165 | 3 | |
| 1110025,5 | 25,50 | 286 | 165 | 3 | |
| 1110025,75 | 25,75 | 286 | 165 | 3 | |
| 1110026 | 26,00 | 286 | 165 | 3 | |
| 1110026,25 | 26,25 | 286 | 165 | 3 | |
| 1110026,5 | 26,50 | 286 | 165 | 3 | |
| 1110026,75 | 26,75 | 291 | 170 | 3 | |
| 1110027 | 27,00 | 291 | 170 | 3 | |
| 1110027,25 | 27,25 | 291 | 170 | 3 | |
| 1110027,5 | 27,50 | 291 | 170 | 3 | |
| 1110027,75 | 27,75 | 291 | 170 | 3 | |
| 1110028 | 28,00 | 291 | 170 | 3 | |
| 1110028,25 | 28,25 | 296 | 175 | 3 | |
| 1110028,5 | 28,50 | 296 | 175 | 3 | |
| 1110028,75 | 28,75 | 296 | 175 | 3 | |
| 1110029 | 29,00 | 296 | 175 | 3 | |
| 1110029,25 | 29,25 | 296 | 175 | 3 | |
| 1110029,5 | 29,50 | 296 | 175 | 3 | |
| 1110029,75 | 29,75 | 296 | 175 | 3 | |
| 1110030 | 30,00 | 296 | 175 | 3 | |
| 1110030,25 | 30,25 | 301 | 180 | 3 | |
| 1110030,5 | 30,50 | 301 | 180 | 3 | |
| 1110030,75 | 30,75 | 301 | 180 | 3 | |
| 1110031 | 31,00 | 301 | 180 | 3 | |
| 1110031,25 | 31,25 | 301 | 180 | 3 | |
| 1110031,5 | 31,50 | 301 | 180 | 3 | |
| 1110031,75 | 31,75 | 306 | 185 | 3 | |
| 1110032 | 32,00 | 334 | 185 | 4 | |
| 1110032,5 | 32,50 | 334 | 185 | 4 | |
| 1110033 | 33,00 | 334 | 185 | 4 | |
| 1110033,5 | 33,50 | 334 | 185 | 4 | |
| 1110034 | 34,00 | 339 | 190 | 4 | |
| 1110034,5 | 34,50 | 339 | 190 | 4 | |
| 1110035 | 35,00 | 339 | 190 | 4 | |
| 1110035,5 | 35,50 | 339 | 190 | 4 | |
| 1110036 | 36,00 | 344 | 195 | 4 | |
| 1110036,5 | 36,50 | 344 | 195 | 4 | |
| 1110037 | 37,00 | 344 | 195 | 4 | |
| 1110037,5 | 37,50 | 344 | 195 | 4 | |
| 1110038 | 38,00 | 349 | 200 | 4 | |
| 1110038,5 | 38,50 | 349 | 200 | 4 | |
| 1110039 | 39,00 | 349 | 200 | 4 | |
| 1110039,5 | 39,50 | 349 | 200 | 4 | |
| 1110040 | 40,00 | 349 | 200 | 4 | |
| 1110040,5 | 40,50 | 354 | 205 | 4 | |
| 1110041 | 41,00 | 354 | 205 | 4 | |

Punte Elicoidali Serie Corta Codolo Conico



ref. **1110**

HSS

DIN 345 N



Rettif.

Finitura Blu

< 800 N/mm²

* ø 5 - 17,75 mm:
DIN 1412 A

* ø 18-25 mm:
DIN 1412 S

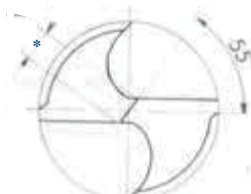
| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|-----------|---------|------|------|------------|-------|
| 1110041,5 | 41,50 | 354 | 205 | 4 | |
| 1110042 | 42,00 | 354 | 205 | 4 | |
| 1110042,5 | 42,50 | 354 | 205 | 4 | |
| 1110043 | 43,00 | 359 | 210 | 4 | |
| 1110043,5 | 43,50 | 359 | 210 | 4 | |
| 1110044 | 44,00 | 359 | 210 | 4 | |
| 1110044,5 | 44,50 | 359 | 210 | 4 | |
| 1110045 | 45,00 | 359 | 210 | 4 | |
| 1110045,5 | 45,50 | 364 | 215 | 4 | |
| 1110046 | 46,00 | 364 | 215 | 4 | |
| 1110046,5 | 46,50 | 364 | 215 | 4 | |
| 1110047 | 47,00 | 364 | 215 | 4 | |
| 1110047,5 | 47,50 | 364 | 215 | 4 | |
| 1110048 | 48,00 | 369 | 220 | 4 | |
| 1110048,5 | 48,50 | 369 | 220 | 4 | |
| 1110049 | 49,00 | 369 | 220 | 4 | |
| 1110049,5 | 49,50 | 369 | 220 | 4 | |
| 1110050 | 50,00 | 369 | 220 | 4 | |
| 1110051 | 51,00 | 412 | 225 | 5 | |
| 1110052 | 52,00 | 412 | 225 | 5 | |
| 1110053 | 53,00 | 412 | 225 | 5 | |
| 1110054 | 54,00 | 417 | 230 | 5 | |
| 1110055 | 55,00 | 417 | 230 | 5 | |
| 1110056 | 56,00 | 417 | 230 | 5 | |
| 1110057 | 57,00 | 422 | 235 | 5 | |
| 1110058 | 58,00 | 422 | 235 | 5 | |
| 1110059 | 59,00 | 422 | 235 | 5 | |
| 1110060 | 60,00 | 422 | 235 | 5 | |
| 1110061 | 61,00 | 427 | 240 | 5 | |
| 1110062 | 62,00 | 427 | 240 | 5 | |
| 1110063 | 63,00 | 427 | 240 | 5 | |
| 1110064 | 64,00 | 432 | 245 | 5 | |
| 1110065 | 65,00 | 432 | 245 | 5 | |
| 1110066 | 66,00 | 432 | 245 | 5 | |
| 1110067 | 67,00 | 432 | 245 | 5 | |
| 1110068 | 68,00 | 437 | 250 | 5 | |
| 1110069 | 69,00 | 437 | 250 | 5 | |
| 1110070 | 70,00 | 437 | 250 | 5 | |

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|---------|---------|------|------|------------|-------|
| 1110071 | 71,00 | 437 | 250 | 5 | |
| 1110072 | 72,00 | 442 | 255 | 5 | |
| 1110073 | 73,00 | 442 | 255 | 5 | |
| 1110074 | 74,00 | 442 | 255 | 5 | |
| 1110075 | 75,00 | 442 | 255 | 5 | |
| 1110076 | 76,00 | 447 | 260 | 5 | |
| 1110077 | 77,00 | 514 | 260 | 6 | |
| 1110078 | 78,00 | 514 | 260 | 6 | |
| 1110079 | 79,00 | 514 | 260 | 6 | |
| 1110080 | 80,00 | 514 | 260 | 6 | |
| 1110081 | 81,00 | 519 | 265 | 6 | |
| 1110082 | 82,00 | 519 | 265 | 6 | |
| 1110083 | 83,00 | 519 | 265 | 6 | |
| 1110084 | 84,00 | 519 | 265 | 6 | |
| 1110085 | 85,00 | 519 | 265 | 6 | |
| 1110086 | 86,00 | 524 | 270 | 6 | |
| 1110087 | 87,00 | 524 | 270 | 6 | |
| 1110088 | 88,00 | 524 | 270 | 6 | |
| 1110089 | 89,00 | 524 | 270 | 6 | |
| 1110090 | 90,00 | 524 | 270 | 6 | |
| 1110091 | 91,00 | 529 | 275 | 6 | |
| 1110092 | 92,00 | 529 | 275 | 6 | |
| 1110093 | 93,00 | 529 | 275 | 6 | |
| 1110094 | 94,00 | 529 | 275 | 6 | |
| 1110095 | 95,00 | 529 | 275 | 6 | |
| 1110096 | 96,00 | 534 | 280 | 6 | |
| 1110097 | 97,00 | 534 | 280 | 6 | |
| 1110098 | 98,00 | 534 | 280 | 6 | |
| 1110099 | 99,00 | 534 | 280 | 6 | |
| 1110100 | 100,00 | 534 | 280 | 6 | |



1 Gran Precisione nella geometria sulla punta

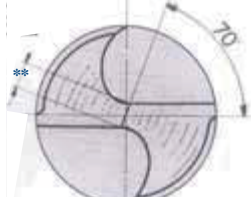
Afilado Convencional Standard Sharpening



3 Afilatura autocentrante
Non necessita di preforo

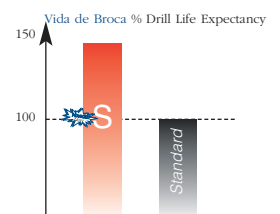
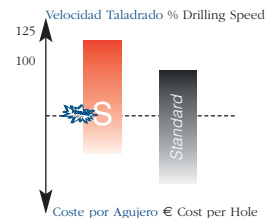
2 Foratura Assiale => meno sforzo penetrazione => minor assorbimento di potenza
Riduzione delle vibrazioni

Nuevo Afilado S New Sharpening

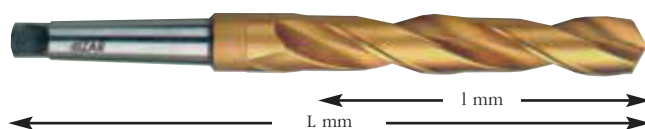


4 Maggiore vita della affilatura del tagliente

* Arista de la Punta Point Edge
** Arista Reducida Reduced Edge



Punte Elicoidali Serie Corta Codolo Conico



ref. 1110T

HSS

DIN 345 N



Rettif.

TIN

< 800 N/mm²

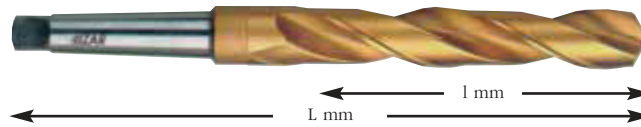
* ø 5 - 17,75 mm:
DIN 1412 A

* ø 18-25 mm:
DIN 1412 S

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | TIN € |
|-------------|---------|------|------|------------|-------|
| 1110T005 | 5,00 | 133 | 52 | 1 | |
| 1110T005,25 | 5,25 | 133 | 52 | 1 | |
| 1110T005,5 | 5,50 | 138 | 57 | 1 | |
| 1110T005,75 | 5,75 | 138 | 57 | 1 | |
| 1110T006 | 6,00 | 138 | 57 | 1 | |
| 1110T006,25 | 6,25 | 144 | 63 | 1 | |
| 1110T006,5 | 6,50 | 144 | 63 | 1 | |
| 1110T006,75 | 6,75 | 150 | 69 | 1 | |
| 1110T007 | 7,00 | 150 | 69 | 1 | |
| 1110T007,25 | 7,25 | 150 | 69 | 1 | |
| 1110T007,5 | 7,50 | 150 | 69 | 1 | |
| 1110T007,75 | 7,75 | 156 | 75 | 1 | |
| 1110T008 | 8,00 | 156 | 75 | 1 | |
| 1110T008,25 | 8,25 | 156 | 75 | 1 | |
| 1110T008,5 | 8,50 | 156 | 75 | 1 | |
| 1110T008,75 | 8,75 | 162 | 81 | 1 | |
| 1110T009 | 9,00 | 162 | 81 | 1 | |
| 1110T009,25 | 9,25 | 162 | 81 | 1 | |
| 1110T009,5 | 9,50 | 162 | 81 | 1 | |
| 1110T009,75 | 9,75 | 168 | 87 | 1 | |
| 1110T010 | 10,00 | 168 | 87 | 1 | |
| 1110T010,25 | 10,25 | 168 | 87 | 1 | |
| 1110T010,5 | 10,50 | 168 | 87 | 1 | |
| 1110T010,75 | 10,75 | 175 | 94 | 1 | |
| 1110T011 | 11,00 | 175 | 94 | 1 | |
| 1110T011,25 | 11,25 | 175 | 94 | 1 | |
| 1110T011,5 | 11,50 | 175 | 94 | 1 | |
| 1110T011,75 | 11,75 | 175 | 94 | 1 | |
| 1110T012 | 12,00 | 182 | 101 | 1 | |
| 1110T012,25 | 12,25 | 182 | 101 | 1 | |
| 1110T012,5 | 12,50 | 182 | 101 | 1 | |
| 1110T012,75 | 12,75 | 182 | 101 | 1 | |
| 1110T013 | 13,00 | 182 | 101 | 1 | |
| 1110T013,25 | 13,25 | 189 | 108 | 1 | |
| 1110T013,5 | 13,50 | 189 | 108 | 1 | |
| 1110T013,75 | 13,75 | 189 | 108 | 1 | |
| 1110T014 | 14,00 | 189 | 108 | 1 | |
| 1110T014,25 | 14,25 | 212 | 114 | 2 | |
| 1110T014,5 | 14,50 | 212 | 114 | 2 | |
| 1110T014,75 | 14,75 | 212 | 114 | 2 | |
| 1110T015 | 15,00 | 212 | 114 | 2 | |
| 1110T015,25 | 15,25 | 218 | 120 | 2 | |
| 1110T015,5 | 15,50 | 218 | 120 | 2 | |
| 1110T015,75 | 15,75 | 218 | 120 | 2 | |
| 1110T016 | 16,00 | 218 | 120 | 2 | |
| 1110T016,25 | 16,25 | 223 | 125 | 2 | |
| 1110T016,5 | 16,50 | 223 | 125 | 2 | |
| 1110T016,75 | 16,75 | 223 | 125 | 2 | |
| 1110T017 | 17,00 | 223 | 125 | 2 | |
| 1110T017,25 | 17,25 | 228 | 130 | 2 | |
| 1110T017,5 | 17,50 | 228 | 130 | 2 | |
| 1110T017,75 | 17,75 | 228 | 130 | 2 | |
| 1110T018 | 18,00 | 228 | 130 | 2 | |
| 1110T018,25 | 18,25 | 233 | 135 | 2 | |
| 1110T018,5 | 18,50 | 233 | 135 | 2 | |
| 1110T018,75 | 18,75 | 233 | 135 | 2 | |
| 1110T019 | 19,00 | 233 | 135 | 2 | |
| 1110T019,25 | 19,25 | 238 | 140 | 2 | |
| 1110T019,5 | 19,50 | 238 | 140 | 2 | |
| 1110T019,75 | 19,75 | 238 | 140 | 2 | |
| 1110T020 | 20,00 | 238 | 140 | 2 | |
| 1110T020,25 | 20,25 | 243 | 145 | 2 | |
| 1110T020,5 | 20,50 | 243 | 145 | 2 | |

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | TIN € |
|-------------|---------|------|------|------------|-------|
| 1110T020,75 | 20,75 | 243 | 145 | 2 | |
| 1110T021 | 21,00 | 243 | 145 | 2 | |
| 1110T021,25 | 21,25 | 248 | 150 | 2 | |
| 1110T021,5 | 21,50 | 248 | 150 | 2 | |
| 1110T021,75 | 21,75 | 248 | 150 | 2 | |
| 1110T022 | 22,00 | 248 | 150 | 2 | |
| 1110T022,25 | 22,25 | 248 | 150 | 2 | |
| 1110T022,5 | 22,50 | 253 | 155 | 2 | |
| 1110T022,75 | 22,75 | 253 | 155 | 2 | |
| 1110T023 | 23,00 | 253 | 155 | 2 | |
| 1110T023,25 | 23,25 | 276 | 155 | 3 | |
| 1110T023,5 | 23,50 | 276 | 155 | 3 | |
| 1110T023,75 | 23,75 | 281 | 160 | 3 | |
| 1110T024 | 24,00 | 281 | 160 | 3 | |
| 1110T024,25 | 24,25 | 281 | 160 | 3 | |
| 1110T024,5 | 24,50 | 281 | 160 | 3 | |
| 1110T024,75 | 24,75 | 281 | 160 | 3 | |
| 1110T025 | 25,00 | 281 | 160 | 3 | |
| 1110T025,25 | 25,25 | 286 | 165 | 3 | |
| 1110T025,5 | 25,50 | 286 | 165 | 3 | |
| 1110T025,75 | 25,75 | 286 | 165 | 3 | |
| 1110T026 | 26,00 | 286 | 165 | 3 | |
| 1110T026,25 | 26,25 | 286 | 165 | 3 | |
| 1110T026,5 | 26,50 | 286 | 165 | 3 | |
| 1110T026,75 | 26,75 | 291 | 170 | 3 | |
| 1110T027 | 27,00 | 291 | 170 | 3 | |
| 1110T027,25 | 27,25 | 291 | 170 | 3 | |
| 1110T027,5 | 27,50 | 291 | 170 | 3 | |
| 1110T027,75 | 27,75 | 291 | 170 | 3 | |
| 1110T028 | 28,00 | 291 | 170 | 3 | |
| 1110T028,25 | 28,25 | 296 | 175 | 3 | |
| 1110T028,5 | 28,50 | 296 | 175 | 3 | |
| 1110T028,75 | 28,75 | 296 | 175 | 3 | |
| 1110T029 | 29,00 | 296 | 175 | 3 | |
| 1110T029,25 | 29,25 | 296 | 175 | 3 | |
| 1110T029,5 | 29,50 | 296 | 175 | 3 | |
| 1110T029,75 | 29,75 | 296 | 175 | 3 | |
| 1110T030 | 30,00 | 296 | 175 | 3 | |
| 1110T030,25 | 30,25 | 301 | 180 | 3 | |
| 1110T030,5 | 30,50 | 301 | 180 | 3 | |
| 1110T030,75 | 30,75 | 301 | 180 | 3 | |
| 1110T031 | 31,00 | 301 | 180 | 3 | |
| 1110T031,25 | 31,25 | 301 | 180 | 3 | |
| 1110T031,5 | 31,50 | 301 | 180 | 3 | |
| 1110T031,75 | 31,75 | 306 | 185 | 3 | |
| 1110T032 | 32,00 | 334 | 185 | 4 | |
| 1110T032,5 | 32,50 | 334 | 185 | 4 | |
| 1110T033 | 33,00 | 334 | 185 | 4 | |
| 1110T033,5 | 33,50 | 334 | 185 | 4 | |
| 1110T034 | 34,00 | 339 | 190 | 4 | |
| 1110T034,5 | 34,50 | 339 | 190 | 4 | |
| 1110T035 | 35,00 | 339 | 190 | 4 | |
| 1110T035,5 | 35,50 | 339 | 190 | 4 | |
| 1110T036 | 36,00 | 344 | 195 | 4 | |
| 1110T036,5 | 36,50 | 344 | 195 | 4 | |
| 1110T037 | 37,00 | 344 | 195 | 4 | |
| 1110T037,5 | 37,50 | 344 | 195 | 4 | |
| 1110T038 | 38,00 | 349 | 200 | 4 | |
| 1110T038,5 | 38,50 | 349 | 200 | 4 | |
| 1110T039 | 39,00 | 349 | 200 | 4 | |
| 1110T039,5 | 39,50 | 349 | 200 | 4 | |
| 1110T040 | 40,00 | 349 | 200 | 4 | |
| 1110T040,5 | 40,50 | 354 | 205 | 4 | |
| 1110T041 | 41,00 | 354 | 205 | 4 | |

Punte Elicoidali Serie Corta Codolo Conico



ref. **1110T**

HSS
DIN 345 N
Rettif.
TIN
< 800 N/mm²

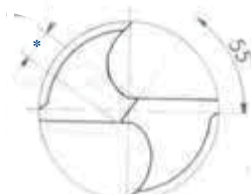
* ø 5 - 17,75 mm: DIN 1412 A
 * ø 18-25 mm: DIN 1412 S

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | TIN € |
|------------|---------|------|------|------------|-------|
| 1110T041,5 | 41,50 | 354 | 205 | 4 | |
| 1110T042 | 42,00 | 354 | 205 | 4 | |
| 1110T042,5 | 42,50 | 354 | 205 | 4 | |
| 1110T043 | 43,00 | 359 | 210 | 4 | |
| 1110T043,5 | 43,50 | 359 | 210 | 4 | |
| 1110T044 | 44,00 | 359 | 210 | 4 | |
| 1110T044,5 | 44,50 | 359 | 210 | 4 | |
| 1110T045 | 45,00 | 359 | 210 | 4 | |
| 1110T045,5 | 45,50 | 364 | 215 | 4 | |
| 1110T046 | 46,00 | 364 | 215 | 4 | |
| 1110T046,5 | 46,50 | 364 | 215 | 4 | |
| 1110T047 | 47,00 | 364 | 215 | 4 | |
| 1110T047,5 | 47,50 | 364 | 215 | 4 | |
| 1110T048 | 48,00 | 369 | 220 | 4 | |
| 1110T048,5 | 48,50 | 369 | 220 | 4 | |
| 1110T049 | 49,00 | 369 | 220 | 4 | |
| 1110T049,5 | 49,50 | 369 | 220 | 4 | |
| 1110T050 | 50,00 | 369 | 220 | 4 | |

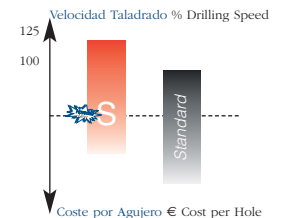


1 Gran Precisione nella geometria sulla punta

Afilado Convencional Standard Sharpening

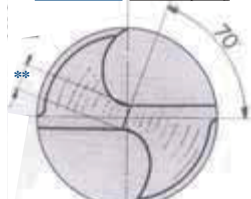


3 Afilatura autocentrante Non necessita di preforo

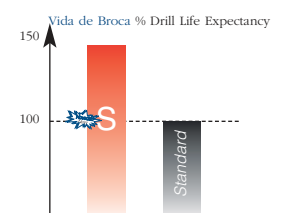


2 Foratura Assiale => meno sforzo penetrazione => minor assorbimento di potenza Riduzione delle vibrazioni

Nuevo Afilado S New Sharpening

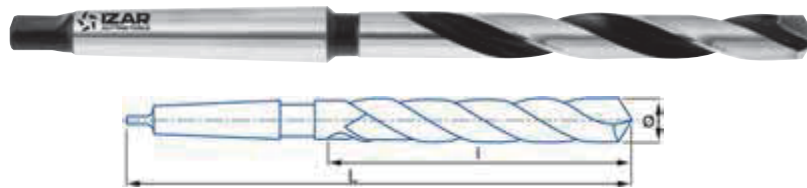


4 Maggiore vita della affilatura del tagliente



* Arista de la Punta Point Edge
** Arista Reducida Reduced Edge

Punte Elicoidali Serie Corta con Placchetta in Metallo Duro Codolo Conico



ref. **9196**

**MD
HM
Carb.**

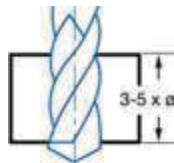
**DIN
345 N**

118°



**White F.
(Black
Helix)**

**Per
acciaio**



| Material | Vc | Avances mm/rev. Feed | | | | | | | |
|----------|-----|----------------------|-------|-------|-------|-------|-------|-------|-------|
| | | Ø 8 | Ø 10 | Ø 12 | Ø 16 | Ø 20 | Ø 25 | Ø 30 | |
| 1 | 1.2 | 30-50 | 0,045 | 0,050 | 0,055 | 0,070 | 0,080 | 0,080 | 0,090 |
| | 1.3 | 10-15 | 0,040 | 0,040 | 0,050 | 0,050 | 0,060 | 0,070 | 0,080 |
| 2 | 2.1 | 10-25 | 0,040 | 0,040 | 0,050 | 0,050 | 0,060 | 0,070 | 0,080 |
| | 2.2 | 12-25 | 0,040 | 0,040 | 0,050 | 0,050 | 0,060 | 0,070 | 0,080 |
| 3 | 3.1 | 50-90 | 0,060 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,160 |
| | 3.2 | 40-60 | 0,040 | 0,050 | 0,050 | 0,060 | 0,060 | 0,070 | 0,080 |
| 4 | 4.1 | 20-35 | 0,035 | 0,050 | 0,060 | 0,080 | 0,090 | 0,120 | 0,150 |
| | 5.1 | 40-100 | 0,100 | 0,120 | 0,140 | 0,160 | 0,180 | 0,180 | 0,200 |
| 5 | 5.2 | 40-100 | 0,100 | 0,120 | 0,140 | 0,160 | 0,180 | 0,180 | 0,200 |
| | 7.2 | 20-100 | 0,060 | 0,065 | 0,070 | 0,080 | 0,120 | 0,150 | 0,200 |
| 7 | 7.2 | 20-100 | 0,060 | 0,065 | 0,070 | 0,080 | 0,120 | 0,150 | 0,200 |

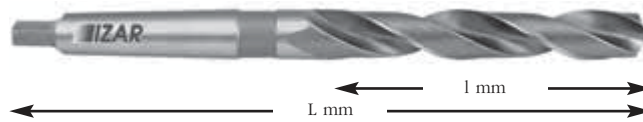
Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{p \times \phi}$

p x φ

| Cod. | Ø mm h7 | L mm | l mm | CM | € |
|-----------|------------|---------|---------|----|---|
| 9196008 | 8,00 | 156 | 75 | 1 | |
| 9196008,5 | 8,50 | 156 | 75 | 1 | |
| 9196009 | 9,00 | 162 | 81 | 1 | |
| 9196009,5 | 9,50 | 162 | 81 | 1 | |
| 9196010 | 10,00 | 168 | 87 | 1 | |
| 9196010,5 | 10,50 | 168 | 87 | 1 | |
| 9196011 | 11,00 | 175 | 94 | 1 | |
| 9196011,5 | 11,50 | 175 | 94 | 1 | |
| 9196012 | 12,00 | 182 | 101 | 1 | |
| 9196012,5 | 12,50 | 182 | 101 | 1 | |
| 9196013 | 13,00 | 182 | 101 | 1 | |
| 9196013,5 | 13,50 | 189 | 108 | 1 | |
| 9196014 | 14,00 | 189 | 108 | 1 | |
| 9196014,5 | 14,50 | 212 | 114 | 2 | |
| 9196015 | 15,00 | 212 | 114 | 2 | |
| 9196015,5 | 15,50 | 218 | 120 | 2 | |
| 9196016 | 16,00 | 218 | 120 | 2 | |
| 9196016,5 | 16,50 | 223 | 125 | 2 | |
| 9196017 | 17,00 | 223 | 125 | 2 | |
| 9196017,5 | 17,50 | 228 | 130 | 2 | |
| 9196018 | 18,00 | 228 | 130 | 2 | |
| 9196018,5 | 18,50 | 233 | 135 | 2 | |
| 9196019 | 19,00 | 233 | 135 | 2 | |
| 9196019,5 | 19,50 | 238 | 140 | 2 | |
| 9196020 | 20,00 | 238 | 140 | 2 | |
| 9196020,5 | 20,50 | 243 | 145 | 2 | |
| 9196021 | 21,00 | 243 | 145 | 2 | |
| 9196021,5 | 21,50 | 248 | 150 | 2 | |
| 9196022 | 22,00 | 248 | 150 | 2 | |
| 9196022,5 | 22,50 | 248 | 150 | 2 | |
| 9196023 | 23,00 | 253 | 155 | 2 | |
| 9196023,5 | 23,50 | 276 | 155 | 3 | |
| 9196024 | 24,00 | 281 | 160 | 3 | |
| 9196024,5 | 24,50 | 281 | 160 | 3 | |
| 9196025 | 25,00 | 281 | 160 | 3 | |
| 9196026 | 26,00 | 286 | 165 | 3 | |
| 9196027 | 27,00 | 291 | 170 | 3 | |
| 9196028 | 28,00 | 291 | 170 | 3 | |
| 9196029 | 29,00 | 296 | 175 | 3 | |
| 9196030 | 30,00 | 296 | 175 | 3 | |
| 9196031 | 31,00 | 301 | 180 | 3 | |
| 9196032 | 32,00 | 334 | 185 | 4 | |
| 9196033 | 33,00 | 334 | 185 | 4 | |
| 9196034 | 34,00 | 339 | 190 | 4 | |
| 9196035 | 35,00 | 339 | 190 | 4 | |

Punte Elicoidali Serie Corta HSS CO Codolo Conico



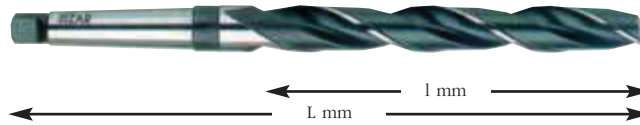
ref. **9116**



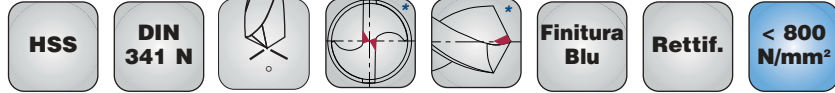
Punta ad alto rendimento con accentuata resistenza termica per forare acciai monolabili, titanio e acciaio fino a > 850 N/mm^m

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSSE € |
|-----------|------------|---------|---------|---------------|-----------|
| 9116010 | 10,00 | 168 | 84 | 1 | |
| 9116010,5 | 10,50 | 168 | 84 | 1 | |
| 9116011 | 11,00 | 175 | 94 | 1 | |
| 9116011,5 | 11,50 | 175 | 94 | 1 | |
| 9116012 | 12,00 | 182 | 101 | 1 | |
| 9116012,5 | 12,50 | 182 | 101 | 1 | |
| 9116013 | 13,00 | 182 | 101 | 1 | |
| 9116013,5 | 13,50 | 189 | 108 | 1 | |
| 9116014 | 14,00 | 189 | 108 | 1 | |
| 9116014,5 | 14,50 | 212 | 114 | 2 | |
| 9116015 | 15,00 | 212 | 114 | 2 | |
| 9116015,5 | 15,50 | 218 | 120 | 2 | |
| 9116016 | 16,00 | 218 | 120 | 2 | |
| 9116016,5 | 16,50 | 223 | 125 | 2 | |
| 9116017 | 17,00 | 223 | 125 | 2 | |
| 9116017,5 | 17,50 | 228 | 130 | 2 | |
| 9116018 | 18,00 | 228 | 130 | 2 | |
| 9116018,5 | 18,50 | 233 | 135 | 2 | |
| 9116019 | 19,00 | 233 | 135 | 2 | |
| 9116019,5 | 19,50 | 233 | 140 | 2 | |
| 9116020 | 20,00 | 238 | 140 | 2 | |
| 9116020,5 | 20,50 | 243 | 145 | 2 | |
| 9116021 | 21,00 | 243 | 145 | 2 | |
| 9116021,5 | 21,50 | 248 | 150 | 2 | |
| 9116022 | 22,00 | 248 | 150 | 2 | |
| 9116022,5 | 22,50 | 253 | 155 | 2 | |
| 9116023 | 23,00 | 253 | 155 | 2 | |
| 9116023,5 | 23,50 | 275 | 155 | 3 | |
| 9116024 | 24,00 | 281 | 160 | 3 | |
| 9116024,5 | 24,50 | 281 | 160 | 3 | |
| 9116025 | 25,00 | 281 | 160 | 3 | |
| 9116025,5 | 25,50 | 286 | 165 | 3 | |
| 9116026 | 26,00 | 286 | 165 | 3 | |
| 9116026,5 | 26,50 | 286 | 165 | 3 | |
| 9116027 | 27,00 | 291 | 170 | 3 | |
| 9116027,5 | 27,50 | 291 | 170 | 3 | |
| 9116028 | 28,00 | 291 | 170 | 3 | |
| 9116028,5 | 28,50 | 296 | 175 | 3 | |
| 9116029 | 29,00 | 296 | 175 | 3 | |
| 9116029,5 | 29,50 | 296 | 175 | 3 | |
| 9116030 | 30,00 | 296 | 175 | 3 | |
| 9116032 | 32,00 | 334 | 185 | 4 | |
| 9116033 | 33,00 | 334 | 185 | 4 | |
| 9116035 | 35,00 | 339 | 190 | 4 | |
| 9116036 | 36,00 | 344 | 195 | 4 | |
| 9116037,5 | 37,50 | 344 | 195 | 4 | |
| 9116039 | 39,00 | 349 | 200 | 4 | |
| 9116040 | 40,00 | 349 | 200 | 4 | |

Punte Elicoidali Serie Lunga Codolo Conico



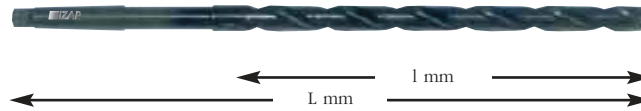
ref. **1130**



| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|-----------|---------|------|------|------------|-------|
| 1130005 | 5,00 | 155 | 74 | 1 | |
| 1130005,5 | 5,50 | 161 | 80 | 1 | |
| 1130006 | 6,00 | 161 | 80 | 1 | |
| 1130006,5 | 6,50 | 167 | 86 | 1 | |
| 1130007 | 7,00 | 174 | 93 | 1 | |
| 1130007,5 | 7,50 | 174 | 93 | 1 | |
| 1130008 | 8,00 | 181 | 100 | 1 | |
| 1130008,2 | 8,20 | 181 | 100 | 1 | |
| 1130008,5 | 8,50 | 181 | 100 | 1 | |
| 1130009 | 9,00 | 188 | 107 | 1 | |
| 1130009,5 | 9,50 | 188 | 107 | 1 | |
| 1130010 | 10,00 | 197 | 116 | 1 | |
| 1130010,5 | 10,50 | 197 | 116 | 1 | |
| 1130011 | 11,00 | 206 | 125 | 1 | |
| 1130011,5 | 11,50 | 206 | 125 | 1 | |
| 1130012 | 12,00 | 215 | 134 | 1 | |
| 1130012,2 | 12,20 | 215 | 134 | 1 | |
| 1130012,5 | 12,50 | 215 | 134 | 1 | |
| 1130013 | 13,00 | 215 | 134 | 1 | |
| 1130013,5 | 13,50 | 223 | 142 | 1 | |
| 1130014 | 14,00 | 223 | 142 | 1 | |
| 1130014,5 | 14,50 | 245 | 147 | 2 | |
| 1130015 | 15,00 | 245 | 147 | 2 | |
| 1130015,5 | 15,50 | 251 | 153 | 2 | |
| 1130016 | 16,00 | 251 | 153 | 2 | |
| 1130016,5 | 16,50 | 257 | 159 | 2 | |
| 1130017 | 17,00 | 257 | 159 | 2 | |
| 1130017,5 | 17,50 | 263 | 165 | 2 | |
| 1130018 | 18,00 | 263 | 165 | 2 | |
| 1130018,5 | 18,50 | 269 | 171 | 2 | |
| 1130019 | 19,00 | 269 | 171 | 2 | |
| 1130019,5 | 19,50 | 275 | 177 | 2 | |
| 1130020 | 20,00 | 275 | 177 | 2 | |
| 1130020,5 | 20,50 | 282 | 184 | 2 | |
| 1130021 | 21,00 | 282 | 184 | 2 | |
| 1130021,5 | 21,50 | 289 | 191 | 2 | |
| 1130022 | 22,00 | 289 | 191 | 2 | |
| 1130022,5 | 22,50 | 296 | 198 | 2 | |

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|-----------|---------|------|------|------------|-------|
| 1130023 | 23,00 | 296 | 198 | 2 | |
| 1130023,5 | 23,50 | 319 | 198 | 3 | |
| 1130024 | 24,00 | 327 | 206 | 3 | |
| 1130024,5 | 24,50 | 327 | 206 | 3 | |
| 1130025 | 25,00 | 327 | 206 | 3 | |
| 1130025,5 | 25,50 | 335 | 214 | 3 | |
| 1130026 | 26,00 | 335 | 214 | 3 | |
| 1130026,5 | 26,50 | 335 | 214 | 3 | |
| 1130027 | 27,00 | 343 | 222 | 3 | |
| 1130027,5 | 27,50 | 343 | 222 | 3 | |
| 1130028 | 28,00 | 343 | 222 | 3 | |
| 1130028,5 | 28,50 | 351 | 230 | 3 | |
| 1130029 | 29,00 | 351 | 230 | 3 | |
| 1130029,5 | 29,50 | 351 | 230 | 3 | |
| 1130030 | 30,00 | 351 | 230 | 3 | |
| 1130030,5 | 30,50 | 360 | 239 | 3 | |
| 1130031 | 31,00 | 360 | 239 | 3 | |
| 1130031,5 | 31,50 | 360 | 239 | 3 | |
| 1130032 | 32,00 | 397 | 248 | 4 | |
| 1130032,5 | 32,50 | 397 | 248 | 4 | |
| 1130033 | 33,00 | 397 | 248 | 4 | |
| 1130033,5 | 33,50 | 397 | 248 | 4 | |
| 1130034 | 34,00 | 406 | 257 | 4 | |
| 1130034,5 | 34,50 | 406 | 257 | 4 | |
| 1130035 | 35,00 | 406 | 257 | 4 | |
| 1130035,5 | 35,50 | 406 | 257 | 4 | |
| 1130036 | 36,00 | 416 | 267 | 4 | |
| 1130036,5 | 36,50 | 416 | 267 | 4 | |
| 1130037 | 37,00 | 416 | 267 | 4 | |
| 1130037,5 | 37,50 | 416 | 267 | 4 | |
| 1130038 | 38,00 | 426 | 277 | 4 | |
| 1130038,5 | 38,50 | 426 | 277 | 4 | |
| 1130039 | 39,00 | 426 | 277 | 4 | |
| 1130039,5 | 39,50 | 426 | 277 | 4 | |
| 1130040 | 40,00 | 426 | 277 | 4 | |

Punte Elicoidali Serie Extra Lunga Codolo Conico



1140

HSS

DIN 1870 N



Finitura Blu

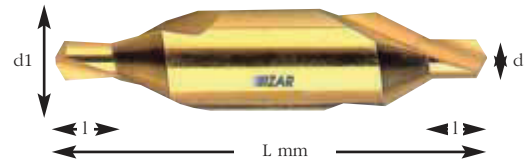
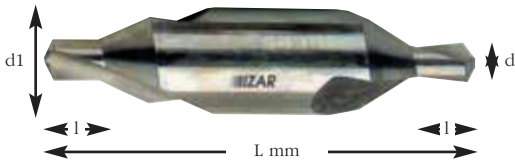
Rettif.

< 800 N/mm²

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|-----------|---------|------|------|------------|-------|
| 1140008 | 8,00 | 265 | 165 | 1 | |
| 1140008,5 | 8,50 | 265 | 165 | 1 | |
| 1140009 | 9,00 | 275 | 175 | 1 | |
| 1140009,5 | 9,50 | 275 | 175 | 1 | |
| 1140010 | 10,00 | 285 | 185 | 1 | |
| 1140010,5 | 10,50 | 285 | 185 | 1 | |
| 1140011 | 11,00 | 300 | 195 | 1 | |
| 1140011,5 | 11,50 | 300 | 195 | 1 | |
| 1140012 | 12,00 | 310 | 205 | 1 | |
| 1140012,5 | 12,50 | 310 | 205 | 1 | |
| 1140013 | 13,00 | 310 | 205 | 1 | |
| 1140013,5 | 13,50 | 325 | 220 | 1 | |
| 1140014 | 14,00 | 325 | 220 | 1 | |
| 1140014,5 | 14,50 | 340 | 220 | 2 | |
| 1140015 | 15,00 | 340 | 220 | 2 | |
| 1140015,5 | 15,50 | 355 | 230 | 2 | |
| 1140016 | 16,00 | 355 | 230 | 2 | |
| 1140016,5 | 16,50 | 355 | 230 | 2 | |
| 1140017 | 17,00 | 355 | 230 | 2 | |
| 1140017,5 | 17,50 | 370 | 245 | 2 | |
| 1140018 | 18,00 | 370 | 245 | 2 | |
| 1140018,5 | 18,50 | 370 | 245 | 2 | |
| 1140019 | 19,00 | 370 | 245 | 2 | |
| 1140019,5 | 19,50 | 385 | 260 | 2 | |
| 1140020 | 20,00 | 385 | 260 | 2 | |
| 1140020,5 | 20,50 | 385 | 260 | 2 | |
| 1140021 | 21,00 | 385 | 260 | 2 | |
| 1140021,5 | 21,50 | 405 | 270 | 2 | |
| 1140022 | 22,00 | 405 | 270 | 2 | |
| 1140022,5 | 22,50 | 405 | 270 | 2 | |
| 1140023 | 23,00 | 405 | 270 | 2 | |
| 1140023,5 | 23,50 | 425 | 270 | 3 | |
| 1140024 | 24,00 | 440 | 290 | 3 | |
| 1140024,5 | 24,50 | 440 | 290 | 3 | |
| 1140025 | 25,00 | 440 | 290 | 3 | |
| 1140025,5 | 25,50 | 440 | 290 | 3 | |
| 1140026 | 26,00 | 440 | 290 | 3 | |
| 1140026,5 | 26,50 | 440 | 290 | 3 | |
| 1140027 | 27,00 | 460 | 305 | 3 | |
| 1140027,5 | 27,50 | 460 | 305 | 3 | |
| 1140028 | 28,00 | 460 | 305 | 3 | |
| 1140028,5 | 28,50 | 460 | 305 | 3 | |
| 1140029 | 29,00 | 460 | 305 | 3 | |
| 1140029,5 | 29,50 | 460 | 305 | 3 | |
| 1140030 | 30,00 | 460 | 305 | 3 | |
| 1140031 | 31,00 | 480 | 320 | 3 | |
| 1140032 | 32,00 | 505 | 320 | 4 | |
| 1140033 | 33,00 | 505 | 320 | 4 | |
| 1140034 | 34,00 | 530 | 340 | 4 | |
| 1140035 | 35,00 | 530 | 340 | 4 | |
| 1140036 | 36,00 | 530 | 340 | 4 | |
| 1140037 | 37,00 | 530 | 340 | 4 | |
| 1140038 | 38,00 | 555 | 360 | 4 | |
| 1140039 | 39,00 | 555 | 360 | 4 | |
| 1140040 | 40,00 | 555 | 360 | 4 | |
| 1140041 | 41,00 | 555 | 360 | 4 | |
| 1140042 | 42,00 | 555 | 360 | 4 | |
| 1140043 | 43,00 | 585 | 385 | 4 | |
| 1140044 | 44,00 | 585 | 385 | 4 | |
| 1140045 | 45,00 | 585 | 385 | 4 | |
| 1140046 | 46,00 | 585 | 385 | 4 | |
| 1140047 | 47,00 | 585 | 385 | 4 | |
| 1140048 | 48,00 | 605 | 405 | 4 | |
| 1140049 | 49,00 | 605 | 405 | 4 | |
| 1140050 | 50,00 | 605 | 405 | 4 | |

| Codice | Ø mm h8 | L mm | l mm | Cono Morse | HSS € |
|------------|---------|------|------|------------|-------|
| 1140008A | 8,00 | 330 | 210 | 1 | |
| 1140008,5A | 8,50 | 330 | 210 | 1 | |
| 1140009A | 9,00 | 345 | 220 | 1 | |
| 1140009,5A | 9,50 | 345 | 220 | 1 | |
| 1140010A | 10,00 | 360 | 235 | 1 | |
| 1140010,5A | 10,50 | 360 | 235 | 1 | |
| 1140011A | 11,00 | 375 | 250 | 1 | |
| 1140011,5A | 11,50 | 375 | 250 | 1 | |
| 1140012A | 12,00 | 395 | 260 | 1 | |
| 1140012,5A | 12,50 | 395 | 260 | 1 | |
| 1140013A | 13,00 | 395 | 260 | 1 | |
| 1140013,5A | 13,50 | 410 | 275 | 1 | |
| 1140014A | 14,00 | 410 | 275 | 1 | |
| 1140014,5A | 14,50 | 425 | 275 | 2 | |
| 1140015A | 15,00 | 425 | 275 | 2 | |
| 1140015,5A | 15,50 | 445 | 295 | 2 | |
| 1140016A | 16,00 | 445 | 295 | 2 | |
| 1140016,5A | 16,50 | 445 | 295 | 2 | |
| 1140017A | 17,00 | 445 | 295 | 2 | |
| 1140017,5A | 17,50 | 465 | 310 | 2 | |
| 1140018A | 18,00 | 465 | 310 | 2 | |
| 1140018,5A | 18,50 | 465 | 310 | 2 | |
| 1140019A | 19,00 | 465 | 310 | 2 | |
| 1140019,5A | 19,50 | 490 | 325 | 2 | |
| 1140020A | 20,00 | 490 | 325 | 2 | |
| 1140020,5A | 20,50 | 490 | 325 | 2 | |
| 1140021A | 21,00 | 490 | 325 | 2 | |
| 1140021,5A | 21,50 | 515 | 345 | 2 | |
| 1140022A | 22,00 | 515 | 345 | 2 | |
| 1140022,5A | 22,50 | 515 | 345 | 2 | |
| 1140023A | 23,00 | 515 | 345 | 2 | |
| 1140023,5A | 23,50 | 535 | 345 | 3 | |
| 1140024A | 24,00 | 555 | 365 | 3 | |
| 1140024,5A | 24,50 | 555 | 365 | 3 | |
| 1140025A | 25,00 | 555 | 365 | 3 | |
| 1140025,5A | 25,50 | 555 | 365 | 3 | |
| 1140026A | 26,00 | 555 | 365 | 3 | |
| 1140026,5A | 26,50 | 555 | 365 | 3 | |
| 1140027A | 27,00 | 580 | 385 | 3 | |
| 1140027,5A | 27,50 | 580 | 385 | 3 | |
| 1140028A | 28,00 | 580 | 385 | 3 | |
| 1140028,5A | 28,50 | 580 | 385 | 3 | |
| 1140029A | 29,00 | 580 | 385 | 3 | |
| 1140029,5A | 29,50 | 580 | 385 | 3 | |
| 1140030A | 30,00 | 580 | 385 | 3 | |
| 1140031A | 31,00 | 610 | 410 | 3 | |
| 1140032A | 32,00 | 635 | 410 | 4 | |
| 1140033A | 33,00 | 635 | 410 | 4 | |
| 1140034A | 34,00 | 665 | 430 | 4 | |
| 1140035A | 35,00 | 665 | 430 | 4 | |
| 1140036A | 36,00 | 665 | 430 | 4 | |
| 1140037A | 37,00 | 665 | 430 | 4 | |
| 1140038A | 38,00 | 695 | 460 | 4 | |
| 1140039A | 39,00 | 695 | 460 | 4 | |
| 1140040A | 40,00 | 695 | 460 | 4 | |
| 1140041A | 41,00 | 695 | 460 | 4 | |
| 1140042A | 42,00 | 695 | 460 | 4 | |
| 1140043A | 43,00 | 735 | 490 | 4 | |
| 1140044A | 44,00 | 735 | 490 | 4 | |
| 1140045A | 45,00 | 735 | 490 | 4 | |
| 1140046A | 46,00 | 735 | 490 | 4 | |
| 1140047A | 47,00 | 735 | 490 | 4 | |
| 1140048A | 48,00 | 765 | 510 | 4 | |
| 1140049A | 49,00 | 765 | 510 | 4 | |
| 1140050A | 50,00 | 765 | 510 | 4 | |

Punte per fori da centro 60° Tipo "A"



ref. **1310**



Vecchia
Norma

| Codice | Ø d mm | Ø d1 mm | L mm | l mm | HSS € |
|------------|-----------|------------|---------|---------|----------|
| 1310001,25 | 1,25 | x 4,00 | 35,50 | 1,90 | |
| 1310001,6 | 1,60 | x 5,00 | 40,00 | 2,40 | |
| 1310002 | 2,00 | x 6,30 | 45,00 | 2,90 | |
| 1310002,5 | 2,50 | x 8,00 | 50,00 | 3,60 | |
| 1310003,15 | 3,15 | x 10,00 | 56,00 | 4,40 | |
| 1310004 | 4,00 | x 12,50 | 63,00 | 5,60 | |
| 1310005 | 5,00 | x 16,00 | 71,00 | 6,90 | |
| 1310006,3 | 6,30 | x 20,00 | 80,00 | 8,60 | |

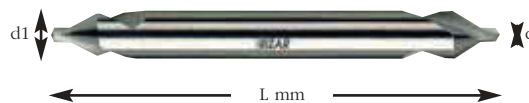
| Codice | Ø d mm | Ø d1 mm | L mm | l mm | TIN € |
|-------------|-----------|------------|---------|---------|----------|
| 1310T001,25 | 1,25 | x 4,00 | 35,50 | 1,90 | |
| 1310T001,6 | 1,60 | x 5,00 | 40,00 | 2,40 | |
| 1310T002 | 2,00 | x 6,30 | 45,00 | 2,90 | |
| 1310T002,5 | 2,50 | x 8,00 | 50,00 | 3,60 | |
| 1310T003,15 | 3,15 | x 10,00 | 56,00 | 4,40 | |
| 1310T004 | 4,00 | x 12,50 | 63,00 | 5,60 | |
| 1310T005 | 5,00 | x 16,00 | 71,00 | 6,90 | |

Nuova
Norma

| Codice | Ø d mm | Ø d1 mm | L mm | l mm | HSS € |
|-------------|-----------|------------|---------|---------|----------|
| 1310001A | 1,00 | x 3,15 | 31,50 | 1,60 | |
| 1310001,25A | 1,25 | x 3,15 | 33,50 | 1,90 | |
| 1310001,6A | 1,60 | x 4,00 | 37,50 | 2,40 | |
| 1310002A | 2,00 | x 5,00 | 42,00 | 2,90 | |
| 1310002,5A | 2,50 | x 6,30 | 47,00 | 3,60 | |
| 1310003,15A | 3,15 | x 8,00 | 52,00 | 4,40 | |
| 1310004A | 4,00 | x 10,00 | 59,00 | 5,60 | |
| 1310005A | 5,00 | x 12,50 | 66,00 | 6,90 | |
| 1310006,3A | 6,30 | x 16,00 | 74,00 | 8,60 | |
| 1310010A | 10,00 | x 25,00 | 100,00 | 13,70 | |
| 1310012,5A | 12,50 | x 31,50 | 125,00 | 17,90 | |

| Codice | Ø d mm | Ø d1 mm | L mm | l mm | TIN € |
|--------------|-----------|------------|---------|---------|----------|
| 1310T001A | 1,00 | x 3,15 | 31,50 | 1,60 | |
| 1310T001,25A | 1,25 | x 3,15 | 33,50 | 1,90 | |
| 1310T001,6A | 1,60 | x 4,00 | 37,50 | 2,40 | |
| 1310T002A | 2,00 | x 5,00 | 42,00 | 2,90 | |
| 1310T002,5A | 2,50 | x 6,30 | 47,00 | 3,60 | |
| 1310T003,15A | 3,15 | x 8,00 | 52,00 | 4,40 | |
| 1310T004A | 4,00 | x 10,00 | 59,00 | 5,60 | |

Punte per fori da centro 60° Tipo "A" Serie Lunga



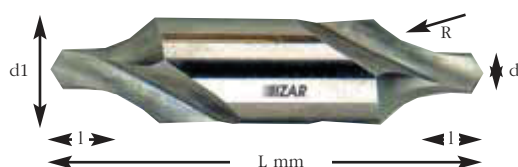
ref. **9315**



| Codice | Ø d mm | Ø d1 mm | L mm | HSSE € |
|------------|-----------|------------|---------|-----------|
| 9315001 | 1,00 | x 4 | 60 | |
| 9315001A | 1,00 | x 4 | 120 | |
| 9315001,5 | 1,50 | x 5 | 60 | |
| 9315001,5A | 1,50 | x 5 | 120 | |
| 9315002 | 2,00 | x 6 | 80 | |
| 9315002A | 2,00 | x 6 | 120 | |
| 9315002,5 | 2,50 | x 8 | 80 | |
| 9315002,5A | 2,50 | x 8 | 120 | |
| 9315003 | 3,00 | x 8 | 80 | |

| Codice | Ø d mm | Ø d1 mm | L mm | HSSE € |
|----------|-----------|------------|---------|-----------|
| 9315003A | 3,00 | x 8 | 120 | |
| 9315003B | 3,00 | x 10 | 100 | |
| 9315003C | 3,00 | x 10 | 120 | |
| 9315004 | 4,00 | x 10 | 100 | |
| 9315004A | 4,00 | x 10 | 120 | |
| 9315004B | 4,00 | x 12 | 100 | |
| 9315004C | 4,00 | x 12 | 120 | |
| 9315005 | 5,00 | x 14 | 120 | |

Punte per fori da centro raggiate Tipo "R"



ref. **1320**

HSS

DIN
333 R



Rettif.

Finitura
Bianca

Vecchia
Norma

| Codice | Ø d mm | Ø d1 mm = R ° | L mm | l mm | HSS € |
|------------|-----------|------------------|---------|---------|----------|
| 1320001,25 | 1,25 | x 4,00 | 35,50 | 3,75 | |
| 1320001,6 | 1,60 | x 5,00 | 40,00 | 4,75 | |
| 1320002 | 2,00 | x 6,30 | 45,00 | 6,00 | |
| 1320002,5 | 2,50 | x 8,00 | 50,00 | 7,50 | |
| 1320003,15 | 3,15 | x 10,00 | 56,00 | 9,50 | |
| 1320004 | 4,00 | x 12,50 | 63,00 | 11,80 | |
| 1320005 | 5,00 | x 16,00 | 71,00 | 15,00 | |
| 1320006,3 | 6,30 | x 20,00 | 80,00 | 19,00 | |

| Codice | Ø d mm | Ø d1 mm = R ° | L mm | l mm | HSS € |
|-------------|-----------|------------------|---------|---------|----------|
| 1320001A | 1,00 | x 3,15 | 31,50 | 3,00 | |
| 1320001,25A | 1,25 | x 3,15 | 31,50 | 3,35 | |
| 1320001,6A | 1,60 | x 4,00 | 37,50 | 4,25 | |
| 1320002A | 2,00 | x 5,00 | 42,00 | 5,30 | |
| 1320002,5A | 2,50 | x 6,30 | 47,00 | 6,70 | |
| 1320003,15A | 3,15 | x 8,00 | 52,00 | 8,50 | |
| 1320004A | 4,00 | x 10,00 | 56,00 | 10,60 | |
| 1320005A | 5,00 | x 12,50 | 66,00 | 13,20 | |
| 1320006,3A | 6,30 | x 16,00 | 74,00 | 17,00 | |
| 1320008A | 8,00 | x 20,00 | 80,00 | 21,20 | |
| 1320010A | 10,00 | x 25,00 | 100,00 | 31,50 | |
| 1320012,5A | 12,50 | x 31,50 | 125,00 | 33,50 | |

Nuova
Norma

Punte per fori da centro 60°/120° Tipo "B"



ref. **1330**

HSS

Vecchio
DIN
320

Nuovo
DIN
333 B



Rettif.

Finitura
Bianca

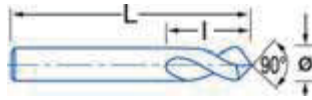
Vecchia
Norma

| Codice | Ø d mm | Ø d1 mm | L mm | l mm | HSS € |
|------------|-----------|---------|---------|---------|----------|
| 1330001,25 | 1,25 | x 7,10 | 45 | 1,90 | |
| 1330001,6 | 1,60 | x 8,00 | 50 | 2,40 | |
| 1330002 | 2,00 | x 10,00 | 56 | 2,90 | |
| 1330002,5 | 2,50 | x 11,20 | 63 | 3,60 | |
| 1330003,15 | 3,15 | x 14,00 | 71 | 4,40 | |
| 1330004 | 4,00 | x 16,00 | 80 | 5,60 | |
| 1330005 | 5,00 | x 20,00 | 90 | 6,90 | |
| 1330006,3 | 6,30 | x 25,00 | 100 | 8,60 | |

| Codice | Ø d mm | Ø d1 mm | L mm | l mm | HSS € |
|-------------|-----------|---------|---------|---------|----------|
| 1330001A | 1,00 | x 4,00 | 37,50 | 1,60 | |
| 1330001,25A | 1,25 | x 5,00 | 42,00 | 1,90 | |
| 1330001,6A | 1,60 | x 6,30 | 47,00 | 2,40 | |
| 1330002A | 2,00 | x 8,00 | 52,00 | 2,90 | |
| 1330002,5A | 2,50 | x 10,00 | 59,00 | 3,60 | |
| 1330003,15A | 3,15 | x 11,20 | 63,00 | 4,40 | |
| 1330004A | 4,00 | x 14,00 | 70,00 | 5,60 | |
| 1330005A | 5,00 | x 18,00 | 78,00 | 6,90 | |
| 1330006,3A | 6,30 | x 20,00 | 83,00 | 8,60 | |

Nuova
Norma

Punta a centrare HSS Co 5% -90°



ref. **1301**

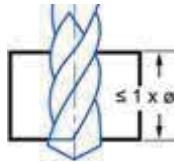
HSSE
5%Co

IZAR
Std.

Blanca
Bright
Finish

Rectif.
Ground

CNC



| Material | | Vc | Avances mm/rev. Feed | | | | | | | | | |
|----------|------|------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Grupo | Sub. | HSSE 5% Co | Ø 3 | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | Ø 16 | Ø 20 | Ø 25 |
| 1 | 1.1 | 20-25 | 0,055 | 0,070 | 0,080 | 0,100 | 0,120 | 0,150 | 0,160 | 0,180 | 0,250 | 0,300 |
| 1 | 1.2 | 8-12 | 0,045 | 0,050 | 0,060 | 0,080 | 0,100 | 0,120 | 0,130 | 0,160 | 0,200 | 0,250 |
| 1 | 1.3 | 6-10 | 0,035 | 0,045 | 0,050 | 0,060 | 0,070 | 0,090 | 0,100 | 0,120 | 0,160 | 0,180 |
| 2 | 2.1 | 8-12 | 0,040 | 0,050 | 0,060 | 0,070 | 0,090 | 0,100 | 0,120 | 0,150 | 0,170 | 0,210 |
| 2 | 2.2 | 6-10 | 0,040 | 0,050 | 0,060 | 0,070 | 0,090 | 0,100 | 0,120 | 0,150 | 0,170 | 0,210 |
| 3 | 3.1 | 20-24 | 0,090 | 0,100 | 0,120 | 0,150 | 0,180 | 0,210 | 0,250 | 0,300 | 0,360 | 0,430 |
| 3 | 3.2 | 15-20 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,170 | 0,200 | 0,240 | 0,280 | 0,340 |
| 4 | 4 | 10-12 | 0,030 | 0,040 | 0,050 | 0,060 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,160 |
| 5 | 5.1 | 25-30 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,170 | 0,200 | 0,240 | 0,280 | 0,340 |
| 6 | 6.3 | 15-25 | 0,090 | 0,100 | 0,120 | 0,150 | 0,180 | 0,210 | 0,250 | 0,300 | 0,360 | 0,430 |
| 7 | 7.1 | 25-30 | 0,130 | 0,150 | 0,170 | 0,190 | 0,250 | 0,290 | 0,310 | 0,360 | 0,400 | 0,440 |

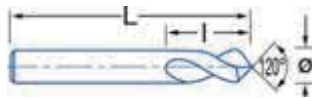
Vc= m/min.

r.p.m. = Vc x 1.000

p x Ø

| Cod. | Ø mm | L mm | l mm | € |
|---------|------|------|------|---|
| 1301003 | 3 | 50 | 10 | |
| 1301004 | 4 | 52 | 12 | |
| 1301005 | 5 | 60 | 15 | |
| 1301006 | 6 | 66 | 20 | |
| 1301008 | 8 | 79 | 25 | |
| 1301010 | 10 | 89 | 25 | |
| 1301012 | 12 | 102 | 30 | |
| 1301016 | 16 | 115 | 35 | |
| 1301020 | 20 | 131 | 40 | |

Punta a centrare HSS Co 5% -120°



ref. **1303**

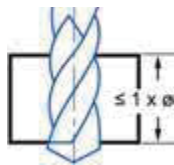
HSSE
5%Co

IZAR
Std.

Blanca
Bright
Finish

Rectif.
Ground

CNC



| Material | | Vc | Avances mm/rev. Feed | | | | | | | | | |
|----------|------|------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Grupo | Sub. | HSSE 5% Co | Ø 3 | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | Ø 16 | Ø 20 | Ø 25 |
| 1 | 1.1 | 20-25 | 0,055 | 0,070 | 0,080 | 0,100 | 0,120 | 0,150 | 0,160 | 0,180 | 0,250 | 0,300 |
| 1 | 1.2 | 8-12 | 0,045 | 0,050 | 0,060 | 0,080 | 0,100 | 0,120 | 0,130 | 0,160 | 0,200 | 0,250 |
| 1 | 1.3 | 6-10 | 0,035 | 0,045 | 0,050 | 0,060 | 0,070 | 0,090 | 0,100 | 0,120 | 0,160 | 0,180 |
| 2 | 2.1 | 8-12 | 0,040 | 0,050 | 0,060 | 0,070 | 0,090 | 0,100 | 0,120 | 0,150 | 0,170 | 0,210 |
| 2 | 2.2 | 6-10 | 0,040 | 0,050 | 0,060 | 0,070 | 0,090 | 0,100 | 0,120 | 0,150 | 0,170 | 0,210 |
| 3 | 3.1 | 20-24 | 0,090 | 0,100 | 0,120 | 0,150 | 0,180 | 0,210 | 0,250 | 0,300 | 0,360 | 0,430 |
| 3 | 3.2 | 15-20 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,170 | 0,200 | 0,240 | 0,280 | 0,340 |
| 4 | 4 | 10-12 | 0,030 | 0,040 | 0,050 | 0,060 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,160 |
| 5 | 5.1 | 25-30 | 0,070 | 0,080 | 0,100 | 0,120 | 0,140 | 0,170 | 0,200 | 0,240 | 0,280 | 0,340 |
| 6 | 6.3 | 15-25 | 0,090 | 0,100 | 0,120 | 0,150 | 0,180 | 0,210 | 0,250 | 0,300 | 0,360 | 0,430 |
| 7 | 7.1 | 25-30 | 0,130 | 0,150 | 0,170 | 0,190 | 0,250 | 0,290 | 0,310 | 0,360 | 0,400 | 0,440 |

Vc= m/min.

r.p.m. = Vc x 1.000

p x Ø

| Cod. | Ø mm | L mm | l mm | € |
|---------|------|------|------|---|
| 1303003 | 3 | 50 | 10 | |
| 1303004 | 4 | 52 | 12 | |
| 1303005 | 5 | 60 | 15 | |
| 1303006 | 6 | 66 | 20 | |
| 1303008 | 8 | 79 | 25 | |
| 1303010 | 10 | 89 | 25 | |
| 1303012 | 12 | 102 | 30 | |
| 1303016 | 16 | 115 | 35 | |
| 1303020 | 20 | 131 | 40 | |

Assortimento Punta Cilindriche in contenitore metallico

DIN338



1010 HSS

ref. **1466**



1016 HSSCO



1010 HSSTIN

| Codice | N° Pezzi | |
|------------|----------|------------------------------|
| 1466HSS | | SERIE PUNTE Ø 1-10 M/M X 0,5 |
| 1466HSSCO | 19 | SERIE PUNTE Ø 1-10 M/M X 0,5 |
| 1466HSSTIN | | SERIE PUNTE Ø 1-10 M/M X 0,5 |

DIN338



1010 HSS

ref. **1456**



1016 HSSCO



1010 HSSTIN

| Codice | N° Pezzi | |
|------------|----------|------------------------------|
| 1456HSS | | SERIE PUNTE Ø 1-13 M/M X 0,5 |
| 1456HSSCO | 25 | SERIE PUNTE Ø 1-13 M/M X 0,5 |
| 1456HSSTIN | | SERIE PUNTE Ø 1-13 M/M X 0,5 |

HSS



1010 DIN338



1016 HSSCO



1010 HSSTIN

DIN338



1010 HSS



1016 HSSCO



1010 HSSTIN

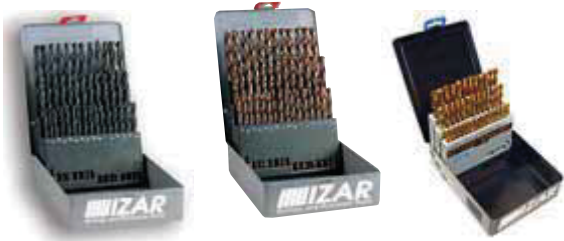
ref. **1407**

ref. **1409**

| Codice | N° Pezzi | |
|------------|----------|-------------------------------|
| 1407HSS | | SERIE PUNTE Ø 1-10 M/M X 0,25 |
| 1407HSSCO | 37 | SERIE PUNTE Ø 1-10 M/M X 0,25 |
| 1407HSSTIN | | SERIE PUNTE Ø 1-10 M/M X 0,25 |

| Codice | N° Pezzi | |
|------------|----------|-------------------------------|
| 1409HSS | | SERIE PUNTE Ø 1-13 M/M X 0,25 |
| 1409HSSCO | 49 | SERIE PUNTE Ø 1-13 M/M X 0,25 |
| 1409HSSTIN | | SERIE PUNTE Ø 1-13 M/M X 0,25 |

Assortimento Punta Cilindriche in contenitore metallico



1010 HSS 1016 HSSCO 1010 HSSTIN

ref. **1405**

DIN338



1010 HSS 1016 HSS 1010 HSSTIN

ref. **1408**

| Codice | N° Pezzi | |
|------------|----------|-------------------------------|
| 1405HSS | | SERIE PUNTE Ø 1-5,9 M/M X 0,1 |
| 1405HSSCO | 50 | SERIE PUNTE Ø 1-5,9 M/M X 0,1 |
| 1405HSSTIN | | SERIE PUNTE Ø 1-5,9 M/M X 0,1 |

| Codice | N° Pezzi | |
|------------|----------|------------------------------|
| 1408HSS | | SERIE PUNTE Ø 6-10 M/M X 0,1 |
| 1408HSSCO | 41 | SERIE PUNTE Ø 6-10 M/M X 0,1 |
| 1408HSSTIN | | SERIE PUNTE Ø 6-10 M/M X 0,1 |

DIN338



1010 HSS 1016 HSSCO 1010 HSSTIN

ref. **1470**

| Codice | N° Pezzi | |
|------------|----------|-------------------------------------|
| 1470HSS | 170 | ASSORTIMENTO PUNTE Ø 1-10 M/M X 0,5 |
| 1470HSSCO | 170 | ASSORTIMENTO PUNTE Ø 1-10 M/M X 0,5 |
| 1470HSSTIN | 170 | ASSORTIMENTO PUNTE Ø 1-10 M/M X 0,5 |



1010 HSS

ref. **1403**

| Codice | N° Pezzi | |
|---------|----------|------------------------------|
| 1403HSS | 81 | SERIE PUNTE Ø 2-10 M/M X 0,1 |

Assortimento Punta Codolo Conico Morse



ref. **KIT1110**

| Codice | N° Pezzi | Cont. | HSS 1110 € |
|---------|----------|---|------------|
| KIT1110 | 25 | Ø 14-14,5-15-15,5-16-16,5-17-17,5-18-18,5-19-19,5-20-20,5-21-21,5-22-22,5-23-24-25-26-27-28-30 MM | |