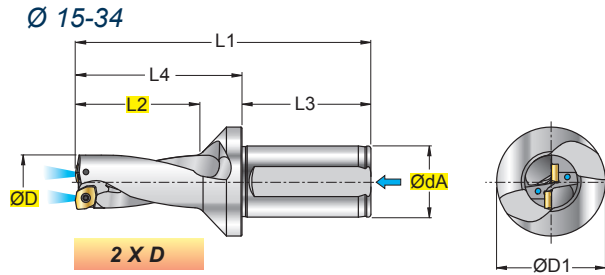


AGGIORNAMENTO GAMMA "SDQ..20R"
NUOVE PUNTE AD INSERTI CON ATTACCO MINORATO "SDQM.."

RANGE UPDATE "SDQ..20R"
NEW INDEXABLE INSERTS DRILLS "SDQM.." WITH UNDERSIZED CONNECTION

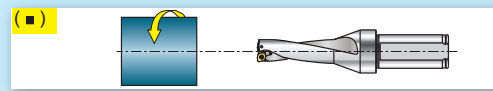
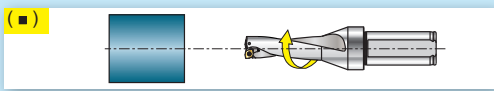


SDQ ..20 R
SDQM ..20 R



| | |
|------------------|--|
| QCMXX36 | |
| QCMXX42 | |
| QCMXX52 | |

| ART. | Prezzo Listino Price List (mm) | | ØD | ØdA | ØD1 | L1 | L2 | L3 | L4 | kg | Nm | | | | | | |
|------------------|--------------------------------|--|------|-----|-----|-----|----|----|-----|------|---------|--------|---------|-------|--------|---------|-------|
| | € | | | | | | | | | | | | | | | | |
| SDQ 15020 R | 271,20 | | 15,0 | 20 | 32 | 90 | 35 | 40 | 50 | 0,18 | 0,9+1,0 | 010204 | 12225P | 5607P | | | |
| SDQ 15520 R | 271,20 | | 15,5 | 20 | 32 | 91 | 36 | 40 | 51 | 0,18 | 0,9+1,0 | | | | | | |
| SDQ 16020 R | 271,20 | | 16,0 | 20 | 32 | 92 | 37 | 40 | 52 | 0,18 | 0,9+1,0 | | | | | | |
| SDQ 16520 R | 271,20 | | 16,5 | 20 | 32 | 93 | 38 | 40 | 53 | 0,19 | 0,9+1,0 | | | | | | |
| SDQ 17020 R | 271,20 | | 17,0 | 20 | 32 | 94 | 39 | 40 | 54 | 0,19 | 0,9+1,0 | | | | | | |
| SDQ 17520 R | 285,70 | | 17,5 | 25 | 37 | 112 | 41 | 54 | 58 | 0,33 | 0,9+1,0 | | | | | | |
| SDQ 18020 R | 285,70 | | 18,0 | 25 | 37 | 113 | 42 | 54 | 59 | 0,33 | 0,9+1,0 | | | | | | |
| SDQ 18520 R | 285,70 | | 18,5 | 25 | 37 | 114 | 43 | 54 | 60 | 0,34 | 0,9+1,0 | | | | | | |
| SDQ 19020 R | 285,70 | | 19,0 | 25 | 37 | 115 | 44 | 54 | 61 | 0,34 | 0,9+1,0 | | | | | | |
| SDQ 19520 R | 285,70 | | 19,5 | 25 | 37 | 116 | 45 | 54 | 62 | 0,34 | 0,9+1,0 | | | | | | |
| SDQ 20020 R | 285,70 | | 20,0 | 25 | 37 | 117 | 46 | 54 | 63 | 0,34 | 0,9+1,0 | 020204 | 12225P | 5607P | | | |
| SDQ 20520 R | 295,10 | | 20,5 | 25 | 37 | 118 | 47 | 54 | 64 | 0,34 | 0,9+1,0 | | | | | | |
| SDQ 21020 R | 295,10 | | 21,0 | 25 | 37 | 119 | 48 | 54 | 65 | 0,35 | 0,9+1,0 | | | | | | |
| SDQ 21520 R | 295,10 | | 21,5 | 25 | 37 | 120 | 49 | 54 | 66 | 0,35 | 0,9+1,0 | | | | | | |
| SDQ 22020 R | 295,10 | | 22,0 | 25 | 37 | 121 | 50 | 54 | 67 | 0,36 | 0,9+1,0 | | | | | | |
| SDQ 22520 R | 295,10 | | 22,5 | 25 | 37 | 122 | 51 | 54 | 68 | 0,36 | 0,9+1,0 | | | | | | |
| SDQ 23020 R | 295,10 | | 23,0 | 25 | 37 | 123 | 52 | 54 | 69 | 0,37 | 0,9+1,0 | | | | | | |
| SDQ 23520 R | 295,10 | | 23,5 | 25 | 37 | 124 | 53 | 54 | 70 | 0,37 | 1,2+1,5 | | | | | | |
| SDQ 24020 R | 295,10 | | 24,0 | 25 | 37 | 125 | 54 | 54 | 71 | 0,37 | 1,2+1,5 | 030308 | 123008P | 5608P | | | |
| SDQ 24520 R | 295,10 | | 24,5 | 25 | 37 | 126 | 55 | 54 | 72 | 0,38 | 1,2+1,5 | | | | | | |
| SDQ 25020 R | 325,10 | | 25,0 | 32 | 49 | 133 | 56 | 58 | 75 | 0,62 | 1,2+1,5 | | | | | | |
| SDQ 25520 R | 325,10 | | 25,5 | 32 | 49 | 134 | 57 | 58 | 76 | 0,63 | 1,2+1,5 | | | | | | |
| SDQ 26020 R | 325,10 | | 26,0 | 32 | 49 | 135 | 58 | 58 | 77 | 0,64 | 1,2+1,5 | | | | | | |
| SDQ 26520 R | 325,10 | | 26,5 | 32 | 49 | 136 | 59 | 58 | 78 | 0,64 | 1,2+1,5 | | | | | | |
| SDQ 27020 R | 334,40 | | 27,0 | 32 | 49 | 137 | 60 | 58 | 79 | 0,65 | 1,2+1,5 | | | | | | |
| SDQ 27520 R | 334,40 | | 27,5 | 32 | 49 | 138 | 61 | 58 | 80 | 0,65 | 1,2+1,5 | | | | | | |
| SDQ 28020 R | 334,40 | | 28,0 | 32 | 49 | 139 | 62 | 58 | 81 | 0,65 | 1,2+1,5 | | | | | | |
| SDQ 28520 R | 334,40 | | 28,5 | 32 | 49 | 140 | 63 | 58 | 82 | 0,66 | 1,2+1,5 | | | | | | |
| SDQ 29020 R | 349,90 | | 29,0 | 32 | 49 | 141 | 64 | 58 | 83 | 0,67 | 1,2+1,5 | | | | | | |
| SDQ 29520 R | 349,90 | | 29,5 | 32 | 49 | 142 | 65 | 58 | 84 | 0,68 | 1,2+1,5 | | | | | | |
| SDQ 30020 R | 349,90 | | 30,0 | 32 | 49 | 143 | 66 | 58 | 85 | 0,68 | 1,2+1,5 | | | | 040308 | 123008P | 5608P |
| SDQ 30520 R | 349,90 | | 30,5 | 32 | 49 | 144 | 67 | 58 | 86 | 0,69 | 1,2+1,5 | | | | | | |
| SDQ 31020 R | 349,90 | | 31,0 | 32 | 49 | 145 | 68 | 58 | 87 | 0,69 | 1,2+1,5 | | | | | | |
| SDQ 31520 R | 349,90 | | 31,5 | 32 | 49 | 146 | 69 | 58 | 88 | 0,71 | 1,2+1,5 | | | | | | |
| SDQ 32020 R | 413,10 | | 32,0 | 40 | 59 | 161 | 71 | 68 | 93 | 1,11 | 1,2+1,5 | | | | | | |
| SDQM 32020 R New | 413,10 | | 32,0 | 32 | 49 | 151 | 71 | 58 | 93 | 0,76 | 1,2+1,5 | | | | | | |
| SDQ 32520 R | 413,10 | | 32,5 | 40 | 59 | 162 | 72 | 68 | 94 | 1,14 | 1,2+1,5 | | | | | | |
| SDQ 33020 R | 413,10 | | 33,0 | 40 | 59 | 163 | 73 | 68 | 95 | 1,15 | 1,2+1,5 | | | | | | |
| SDQM 33020 R New | 413,10 | | 33,0 | 32 | 49 | 153 | 73 | 58 | 95 | 0,77 | 1,2+1,5 | | | | | | |
| SDQ 33520 R | 413,10 | | 33,5 | 40 | 59 | 164 | 74 | 68 | 96 | 1,16 | 1,2+1,5 | | | | | | |
| SDQ 34020 R | 413,10 | | 34,0 | 40 | 59 | 165 | 75 | 68 | 97 | 1,17 | 1,2+1,5 | | | | | | |
| SDQM 34020 R New | 413,10 | | 34,0 | 32 | 49 | 155 | 75 | 58 | 97 | 0,81 | 1,2+1,5 | | | | | | |
| SDQ 35020 R New | 438,00 | | 35,0 | 40 | 59 | 167 | 77 | 68 | 99 | 1,19 | 3,0+3,5 | 050412 | 123511P | 5615P | | | |
| SDQM 35020 R New | 438,00 | | 35,0 | 32 | 49 | 157 | 77 | 58 | 99 | 0,82 | 3,0+3,5 | | | | | | |
| SDQ 36020 R New | 438,00 | | 36,0 | 40 | 59 | 169 | 79 | 68 | 101 | 1,21 | 3,0+3,5 | | | | | | |
| SDQM 36020 R New | 43800 | | 36,0 | 32 | 49 | 159 | 79 | 58 | 101 | 0,85 | 3,0+3,5 | | | | | | |
| SDQ 37020 R New | 438,00 | | 37,0 | 40 | 59 | 171 | 81 | 68 | 103 | 1,24 | 3,0+3,5 | | | | | | |
| SDQM 37020 R New | 438,00 | | 37,0 | 32 | 49 | 161 | 81 | 58 | 103 | 0,87 | 3,0+3,5 | | | | | | |
| SDQ 38020 R New | 448,00 | | 38,0 | 40 | 59 | 173 | 83 | 68 | 105 | 1,25 | 3,0+3,5 | | | | | | |
| SDQM 38020 R New | 448,00 | | 38,0 | 32 | 49 | 163 | 83 | 58 | 105 | 0,89 | 3,0+3,5 | | | | | | |
| SDQ 39020 R New | 448,00 | | 39,0 | 40 | 59 | 175 | 85 | 68 | 107 | 1,29 | 3,0+3,5 | | | | | | |
| SDQM 39020 R New | 448,00 | | 39,0 | 32 | 49 | 165 | 85 | 58 | 107 | 0,93 | 3,0+3,5 | | | | | | |
| SDQ 40020 R New | 448,00 | | 40,0 | 40 | 59 | 177 | 87 | 68 | 109 | 1,30 | 3,0+3,5 | 060412 | 123511P | 5615P | | | |
| SDQM 40020 R New | 448,00 | | 40,0 | 32 | 49 | 167 | 87 | 58 | 109 | 0,94 | 3,0+3,5 | | | | | | |



(■) LAVORAZIONE OTTIMALE - OPTIMUM MACHINING - OPTIMALE BEARBEITUNG - USINAGE OPTIMALE
(○) LAVORAZIONE POSSIBILE - POSSIBLE MACHINING - MOEGliche BEARBEITUNG - USINAGE POSSIBLE

SCelta VELOCE - QUICK PICK



| COD. | Prez. List. Price List € | P | M | K | N | S | H | HT | HW | HC | | | | l | d | s | d1 | r | a° |
|------------------|--------------------------------|---|---|---|---|---|---|----|----|--------|--|---|--|-----|------|------|-----|-----|----|
| | | | | | | | | | | CERMET | NON RIV. CEMEN- TED CARBIDE GRADES | RIVESTITI COATED GRADES BESCHICHTET RECOUVERTS | | | | | | | |
| QCMX 010204 .X36 | 11,20 | ● | ○ | | ○ | | | | | T3610 | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X36 | 11,70 | ● | ○ | | ○ | | | | | T3610 | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X36 | 11,90 | ● | ○ | | ○ | | | | | T3610 | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X36 | 13,40 | ● | ○ | | ○ | | | | | T3610 | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 010204 .X42 | 10,70 | ● | ● | | ○ | | | | | T3610 | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X42 | 11,20 | ● | ● | | ○ | | | | | T3610 | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X42 | 11,40 | ● | ● | | ○ | | | | | T3610 | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X42 | 12,60 | ● | ● | | ○ | | | | | T3610 | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 010204 .X52 | 10,70 | ● | ○ | ○ | | | | | | T3610 | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X52 | 11,20 | ● | ○ | ○ | | | | | | T3610 | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X52 | 11,40 | ● | ○ | ○ | | | | | | T3610 | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X52 | 12,60 | ● | ○ | ○ | | | | | | T3610 | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 010204 .X52 | 11,20 | ○ | | ● | | | | | | T3610 | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X52 | 11,70 | ○ | | ● | | | | | | T3610 | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X52 | 11,90 | ○ | | ● | | | | | | T3610 | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X52 | 13,40 | ○ | | ● | | | | | | T3610 | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |



QCMXX36 = CONSIGLIATO PER ACCIAIO NON LEGATO RECOMMENDED FOR NOT ALLOY STEEL



QCMXX42 = CONSIGLIATO PER ACCIAIO INOX RECOMMENDED FOR STAINLESS STEEL



QCMXX52 = CONSIGLIATO PER ACCIAIO RECOMMENDED FOR STEEL



QCMXX52 = CONSIGLIATO PER GHISA RECOMMENDED FOR CAST IRON

| MATERIALI - MATERIALS | VDI 3323 GR. | HB Rm ¹⁾ HRC ²⁾ | fn mm | | | | Vc m/min | | | | | |
|--|--------------|---------------------------------------|-----------|-----------|------------|-----------|----------|-------|-------|------|-----|-----|
| | | | Ø15-19,5 | Ø20-23 | Ø23,5-29,5 | Ø30-34 | T3610 | T5320 | T5322 | T530 | | |
| P ACCIAIO NON LEGATO - NOT ALLOY STEEL | 1-5 | 125-300 | 0,04-0,10 | 0,04-0,12 | 0,04-0,14 | 0,06-0,16 | | | | 300 | 180 | |
| P ACCIAIO POCO LEGATO - LOW ALLOY STEEL | 6-9 | 180-350 | 0,04-0,12 | 0,04-0,16 | 0,04-0,20 | 0,06-0,22 | | | 280 | 280 | 170 | |
| P ACCIAIO ALTO LEGATO - ALLOY STEEL | 10-11 | 200-325 | 0,04-0,12 | 0,04-0,16 | 0,04-0,20 | 0,06-0,22 | | | 240 | 250 | | |
| P INOX MARTENS. - STAINLESS STEEL MART | 12-13 | 200-240 | 0,04-0,10 | 0,04-0,1 | 0,04-0,12 | 0,06-0,15 | | | 180 | 200 | | |
| M INOX AUST. DUPLEX - STAINLESS STEEL AUST | 14.1-14.2 | 180-230 | 0,04-0,08 | 0,04-0,12 | 0,06-0,18 | 0,06-0,20 | | | | 140 | 200 | 120 |
| K GHISA GRIGIA - GREY CAST IRON | 15-16 | 180-260 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | | | 350 | 280 | | |
| K GHISA SFEROIDALE - SPHEROIDAL GRAPHITE | 17-18 | 160-250 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | | | 280 | 240 | | |
| K GHISA MALLEABILE - MALLEABLE CAST IRON | 19-20 | 130-230 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | | | 300 | 260 | | |
| N ALLUMINIO E SUE LEGHE - ALUMINIUM | 21-25 | 60-130 | 0,05-0,14 | 0,08-0,18 | 0,1-0,22 | 0,1-0,24 | | | | 400 | 400 | |
| N RAME E SUE LEGHE - COPPER | 26-28 | 90-110 | 0,04-0,14 | 0,04-0,16 | 0,06-0,2 | 0,06-0,2 | | | | 300 | 300 | |
| N NON METALLICI - PLASTICS | 29-30 | / | 0,04-0,14 | 0,04-0,16 | 0,06-0,2 | 0,06-0,2 | | | | 300 | 300 | |
| S LEGHE RESIST. CALORE - HIG. TEMP. ALLOY | 31-35 | 200-320 | | | | | | | | | | |
| S TITANIO E SUE LEGHE - TITANIUM | 36-37 | 400-1050 ¹⁾ | | | | | | | | | | |
| H ACCIAIO TEMPRATO - HARDENED STEEL | 38-41 | 45-60 ²⁾ | | | | | | | | | | |

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED
n = giri/min (min⁻¹) NUMERO DI GIRI - NUMBER OF REVOLUTIONS
fn = mm AVANZAMENTO AL GIRO - FEED / REVOLUTION
Vf = mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED

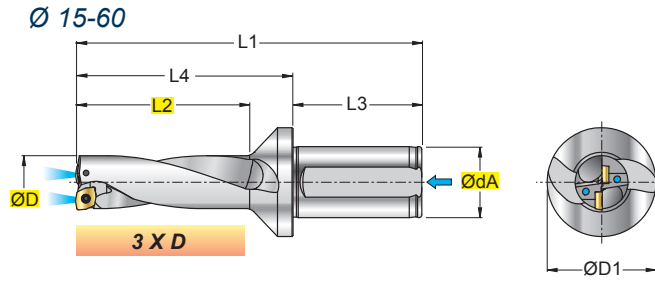
$$Vf = fn \cdot n = \text{mm/min}$$

$$n = \frac{Vc \cdot 1000}{\varnothing D \cdot 3,14} = \text{giri/min (min}^{-1}\text{)}$$

■ DISPONIBILI - IN STOCK - LIEFERBAR - DISPONIBLES / ■ NEW
● APPLICAZIONE CONSIGLIATA-RECOMMENDED APPLICATION
EMPFÖHLENER EINSATZ - APPLICATION CONSEILLÉE

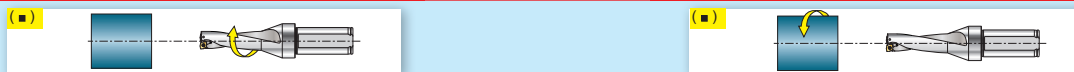
□ A RICHIESTA - ON REQUEST - AUF ANFRAGE - SUR DEMANDE / □ NEW
○ APPLICAZIONE POSSIBILE - POSSIBLE APPLICATION
MÖGLICHE ANWENDUNG - APPLICATION POSSIBLE

SDQ ..30 R
SDQM ..30 R



| | |
|------------------|--|
| QCMXX36 | |
| QCMXX42 | |
| QCMXX52 | |

| ART. | Prezzo Listino Price List (€) | (mm) | | | | | | | | | | kg | Nm | 010204 | 12225P | 5607P |
|------------------|-------------------------------|------|-----|-----|-------|-------|----|-------|------|---------|-------------|--------|--------|--------|--------|-------|
| | | ØD | ØdA | ØD1 | L1 | L2 | L3 | L4 | kg | Nm | | | | | | |
| SDQ 15030 R | 284.70 | 15,0 | 20 | 32 | 102 | 47 | 40 | 62 | 0,18 | 0,9+1,0 | 3 x D | 010204 | 12225P | 5607P | | |
| SDQ 15530 R | 284.70 | 15,5 | 20 | 32 | 103,5 | 48,5 | 40 | 63,5 | 0,18 | 0,9+1,0 | | | | | | |
| SDQ 16030 R | 284.70 | 16,0 | 20 | 32 | 105 | 50 | 40 | 65 | 0,18 | 0,9+1,0 | | | | | | |
| SDQ 16530 R | 284.70 | 16,5 | 20 | 32 | 106,5 | 51,5 | 40 | 66,5 | 0,19 | 0,9+1,0 | | | | | | |
| SDQ 17030 R | 284.70 | 17,0 | 20 | 32 | 108 | 53 | 40 | 68 | 0,19 | 0,9+1,0 | | | | | | |
| SDQ 17530 R | 300.20 | 17,5 | 25 | 37 | 126,5 | 55,5 | 54 | 72,5 | 0,33 | 0,9+1,0 | | | | | | |
| SDQ 18030 R | 300.20 | 18,0 | 25 | 37 | 128 | 57 | 54 | 74 | 0,34 | 0,9+1,0 | | | | | | |
| SDQ 18530 R | 300.20 | 18,5 | 25 | 37 | 129,5 | 58,5 | 54 | 75,5 | 0,34 | 0,9+1,0 | | | | | | |
| SDQ 19030 R | 300.20 | 19,0 | 25 | 37 | 131 | 60 | 54 | 77 | 0,35 | 0,9+1,0 | | | | | | |
| SDQ 19530 R | 300.20 | 19,5 | 25 | 37 | 132,5 | 61,5 | 54 | 78,5 | 0,35 | 0,9+1,0 | | | | | | |
| SDQ 20030 R | 300.20 | 20,0 | 25 | 37 | 134 | 63 | 54 | 80 | 0,35 | 0,9+1,0 | | | | | | |
| SDQ 20530 R | 309.60 | 20,5 | 25 | 37 | 135,5 | 64,5 | 54 | 81,5 | 0,36 | 0,9+1,0 | | | | | | |
| SDQ 21030 R | 309.60 | 21,0 | 25 | 37 | 137 | 66 | 54 | 83 | 0,37 | 0,9+1,0 | | | | | | |
| SDQ 21530 R | 309.60 | 21,5 | 25 | 37 | 138,5 | 67,5 | 54 | 84,5 | 0,37 | 0,9+1,0 | | | | | | |
| SDQ 22030 R | 309.60 | 22,0 | 25 | 37 | 140 | 69 | 54 | 86 | 0,38 | 0,9+1,0 | | | | | | |
| SDQ 22530 R | 309.60 | 22,5 | 25 | 37 | 141,5 | 70,5 | 54 | 87,5 | 0,39 | 0,9+1,0 | | | | | | |
| SDQ 23030 R | 309.60 | 23,0 | 25 | 37 | 143 | 72 | 54 | 89 | 0,40 | 0,9+1,0 | | | | | | |
| SDQ 23530 R | 309.60 | 23,5 | 25 | 37 | 144,5 | 73,5 | 54 | 90,5 | 0,40 | 1,2+1,5 | | | | | | |
| SDQ 24030 R | 309.60 | 24,0 | 25 | 37 | 146 | 75 | 54 | 92 | 0,40 | 1,2+1,5 | | | | | | |
| SDQ 24530 R | 309.60 | 24,5 | 25 | 37 | 147,5 | 76,5 | 54 | 93,5 | 0,42 | 1,2+1,5 | | | | | | |
| SDQ 25030 R | 341.60 | 25,0 | 32 | 49 | 156 | 79 | 58 | 98 | 0,65 | 1,2+1,5 | | | | | | |
| SDQ 25530 R | 341.60 | 25,5 | 32 | 49 | 157,5 | 80,5 | 58 | 99,5 | 0,66 | 1,2+1,5 | | | | | | |
| SDQ 26030 R | 341.60 | 26,0 | 32 | 49 | 159 | 82 | 58 | 101 | 0,67 | 1,2+1,5 | | | | | | |
| SDQ 26530 R | 341.60 | 26,5 | 32 | 49 | 160,5 | 83,5 | 58 | 102,5 | 0,68 | 1,2+1,5 | | | | | | |
| SDQ 27030 R | 352.00 | 27,0 | 32 | 49 | 162 | 85 | 58 | 104 | 0,68 | 1,2+1,5 | | | | | | |
| SDQ 27530 R | 352.00 | 27,5 | 32 | 49 | 163,5 | 86,5 | 58 | 105,5 | 0,68 | 1,2+1,5 | | | | | | |
| SDQ 28030 R | 352.00 | 28,0 | 32 | 49 | 165 | 88 | 58 | 107 | 0,69 | 1,2+1,5 | | | | | | |
| SDQ 28530 R | 352.00 | 28,5 | 32 | 49 | 166,5 | 89,5 | 58 | 108,5 | 0,70 | 1,2+1,5 | | | | | | |
| SDQ 29030 R | 367.50 | 29,0 | 32 | 49 | 168 | 91 | 58 | 110 | 0,72 | 1,2+1,5 | | | | | | |
| SDQ 29530 R | 367.50 | 29,5 | 32 | 49 | 169,5 | 92,5 | 58 | 111,5 | 0,74 | 1,2+1,5 | | | | | | |
| SDQ 30030 R | 367.50 | 30,0 | 32 | 49 | 171 | 94 | 58 | 113 | 0,74 | 1,2+1,5 | | | | | | |
| SDQ 30530 R | 367.50 | 30,5 | 32 | 49 | 172,5 | 95,5 | 58 | 114,5 | 0,75 | 1,2+1,5 | | | | | | |
| SDQ 31030 R | 367.50 | 31,0 | 32 | 49 | 174 | 97 | 58 | 116 | 0,76 | 1,2+1,5 | | | | | | |
| SDQ 31530 R | 367.50 | 31,5 | 32 | 49 | 175,5 | 98,5 | 58 | 117,5 | 0,80 | 1,2+1,5 | | | | | | |
| SDQ 32030 R | 434.80 | 32,0 | 40 | 59 | 191 | 101 | 68 | 123 | 1,18 | 1,2+1,5 | | | | | | |
| SDQM 32030 R New | 434.80 | 32,0 | 32 | 49 | 181 | 101 | 58 | 123 | 0,85 | 1,2+1,5 | | | | | | |
| SDQ 32530 R | 434.80 | 32,5 | 40 | 59 | 192,5 | 102,5 | 68 | 124,5 | 1,19 | 1,2+1,5 | | | | | | |
| SDQ 33030 R | 434.80 | 33,0 | 40 | 59 | 194 | 104 | 68 | 126 | 1,20 | 1,2+1,5 | | | | | | |
| SDQM 33030 R New | 434.80 | 33,0 | 32 | 49 | 184 | 104 | 58 | 126 | 0,88 | 1,2+1,5 | | | | | | |
| SDQ 33530 R | 434.80 | 33,5 | 40 | 59 | 195,5 | 105,5 | 68 | 127,5 | 1,23 | 1,2+1,5 | | | | | | |
| SDQ 34030 R | 434.80 | 34,0 | 40 | 59 | 197 | 107 | 68 | 129 | 1,26 | 1,2+1,5 | | | | | | |
| SDQM 34030 R New | 434.80 | 34,0 | 32 | 49 | 187 | 107 | 58 | 129 | 0,92 | 1,2+1,5 | | | | | | |
| SDQ 34530 R | 434.80 | 34,5 | 40 | 59 | 198,5 | 108,5 | 68 | 130,5 | 1,27 | 3,0+3,5 | | | | | | |
| SDQ 35030 R | 455.50 | 35,0 | 40 | 59 | 200 | 110 | 68 | 132 | 1,28 | 3,0+3,5 | | | | | | |
| SDQM 35030 R New | 455.50 | 35,0 | 32 | 49 | 190 | 110 | 58 | 132 | 0,94 | 3,0+3,5 | | | | | | |
| SDQ 35530 R | 455.50 | 35,5 | 40 | 59 | 201,5 | 111,5 | 68 | 133,5 | 1,30 | 3,0+3,5 | | | | | | |
| SDQ 36030 R | 455.50 | 36,0 | 40 | 59 | 203 | 113 | 68 | 135 | 1,32 | 3,0+3,5 | | | | | | |
| SDQM 36030 R New | 455.50 | 36,0 | 32 | 49 | 193 | 113 | 58 | 135 | 0,99 | 3,0+3,5 | | | | | | |
| SDQ 36530 R | 455.50 | 36,5 | 40 | 59 | 204,5 | 114,5 | 68 | 136,5 | 1,33 | 3,0+3,5 | | | | | | |
| SDQ 37030 R | 455.50 | 37,0 | 40 | 59 | 206 | 116 | 68 | 138 | 1,35 | 3,0+3,5 | | | | | | |
| SDQM 37030 R New | 455.50 | 37,0 | 32 | 49 | 196 | 116 | 58 | 138 | 1,01 | 3,0+3,5 | | | | | | |
| SDQ 37530 R | 455.50 | 37,5 | 40 | 59 | 207,5 | 117,5 | 68 | 139,5 | 1,37 | 3,0+3,5 | | | | | | |
| SDQ 38030 R | 465.90 | 38,0 | 40 | 59 | 209 | 119 | 68 | 141 | 1,39 | 3,0+3,5 | | | | | | |
| SDQM 38030 R New | 465.90 | 38,0 | 32 | 49 | 199 | 119 | 58 | 141 | 1,05 | 3,0+3,5 | | | | | | |
| SDQ 38530 R | 465.90 | 38,5 | 40 | 59 | 210,5 | 120,5 | 68 | 142,5 | 1,42 | 3,0+3,5 | | | | | | |
| SDQ 39030 R | 465.90 | 39,0 | 40 | 59 | 212 | 122 | 68 | 144 | 1,44 | 3,0+3,5 | | | | | | |
| SDQM 39030 R New | 465.90 | 39,0 | 32 | 49 | 202 | 122 | 58 | 144 | 1,10 | 3,0+3,5 | | | | | | |
| SDQ 39530 R | 465.90 | 39,5 | 40 | 59 | 213,5 | 123,5 | 68 | 145,5 | 1,49 | 3,0+3,5 | | | | | | |
| SDQ 40030 R | 465.90 | 40,0 | 40 | 59 | 215 | 125 | 68 | 147 | 1,44 | 3,0+3,5 | | | | | | |
| SDQM 40030 R New | 465.90 | 40,0 | 32 | 49 | 205 | 125 | 58 | 147 | 1,12 | 3,0+3,5 | | | | | | |
| SDQ 41030 R | 465.90 | 41,0 | 40 | 59 | 218 | 128 | 68 | 150 | 1,50 | 3,0+3,5 | | | | | | |
| SDQ 42030 R | 519.70 | 42,0 | 40 | 59 | 221 | 131 | 68 | 153 | 1,56 | 3,0+3,5 | | | | | | |
| SDQ 43030 R | 519.70 | 43,0 | 40 | 59 | 224 | 134 | 68 | 156 | 1,64 | 3,0+3,5 | | | | | | |
| SDQ 44030 R | 519.70 | 44,0 | 40 | 59 | 227 | 137 | 68 | 159 | 1,69 | 3,0+3,5 | | | | | | |
| SDQ 45030 R | 519.70 | 45,0 | 40 | 59 | 230 | 140 | 68 | 162 | 1,73 | 3,0+3,5 | | | | | | |
| SDQ 46030 R | 538.40 | 46,0 | 40 | 59 | 241 | 143 | 68 | 173 | 1,78 | 3,0+3,5 | | | | | | |
| SDQ 47030 R | 538.40 | 47,0 | 40 | 59 | 244 | 146 | 68 | 176 | 1,86 | 3,0+3,5 | | | | | | |
| SDQ 48030 R | 538.40 | 48,0 | 40 | 59 | 247 | 149 | 68 | 179 | 1,93 | 3,0+3,5 | | | | | | |
| SDQ 49030 R | 538.40 | 49,0 | 40 | 59 | 250 | 152 | 68 | 182 | 2,05 | 3,0+3,5 | | | | | | |
| SDQ 50030 R | 574.60 | 50,0 | 40 | 59 | 253 | 158 | 68 | 185 | 2,11 | 3,0+3,5 | | | | | | |
| SDQ 51030 R | 574.60 | 51,0 | 40 | 59 | 256 | 161 | 68 | 188 | 2,17 | 3,0+3,5 | | | | | | |
| SDQ 52030 R | 574.60 | 52,0 | 40 | 59 | 259 | 164 | 68 | 191 | 2,27 | 3,0+3,5 | | | | | | |
| SDQ 53030 R | 574.60 | 53,0 | 40 | 59 | 262 | 167 | 68 | 194 | 2,37 | 3,0+3,5 | | | | | | |
| SDQ 54030 R | 574.60 | 54,0 | 40 | 59 | 265 | 170 | 68 | 197 | 2,47 | 3,0+3,5 | | | | | | |
| SDQ 55030 R | 597.40 | 55,0 | 40 | 59 | 268 | 173 | 68 | 200 | 2,59 | 3,0+3,5 | | | | | | |
| SDQ 56030 R | 597.40 | 56,0 | 40 | 59 | 271 | 176 | 68 | 203 | 2,70 | 3,0+3,5 | | | | | | |
| SDQ 57030 R | 597.40 | 57,0 | 40 | 59 | 274 | 179 | 68 | 206 | 2,81 | 3,0+3,5 | | | | | | |
| SDQ 58030 R | 616.00 | 58,0 | 40 | 59 | 277 | 182 | 68 | 209 | 2,88 | 3,0+3,5 | | | | | | |
| SDQ 59030 R | 616.00 | 59,0 | 40 | 59 | 280 | 185 | 68 | 212 | 3,05 | 3,0+3,5 | | | | | | |
| SDQ 60030 R | 616.00 | 60,0 | 40 | 59 | 283 | 188 | 68 | 215 | 3,17 | 3,0+3,5 | | | | | | |
| SDQ 60030 R | 616.00 | 60,0 | 40 | 59 | 283 | 188 | 68 | 215 | 3,17 | 3,0+3,5 | | | | | | |



(■) LAVORAZIONE OTTIMALE - OPTIMUM MACHINING - OPTIMALE BEARBEITUNG - USINAGE OPTIMALE
(□) LAVORAZIONE POSSIBILE - POSSIBLE MACHINING - MOEGICHE BEARBEITUNG - USINAGE POSSIBLE

| SCelta VELOCE - QUICK PICK | | | | | | | | HT | HW | HC | | | | | | | | | | | | |
|----------------------------|--------------------------|---|---|---|---|---|---|--------|----------------------------------|--|-------|-------|------|--|--|--|------|------|------|-----|-----|---|
| | | | | | | | | CERMET | NON RIV. CEMENTED CARBIDE GRADES | RIVESTITI COATED GRADES BESCHICHTET RECOUVERTS | | | | | | | | | | | | |
| | | | | | | | | | | T3610 | T5320 | T5322 | T530 | | | | | | | | | |
| COD. | Prez. List. Price List € | P | M | K | N | S | H | | | | | | | | | | | | | | | |
| QCMX 010204 .X36 | 11,20 | ● | ○ | | ○ | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X36 | 11,70 | ● | ○ | | ○ | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X36 | 11,90 | ● | ○ | | ○ | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X36 | 13,40 | ● | ○ | | ○ | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 050412 .X36 | 15,10 | ● | ○ | | ○ | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 060412 .X36 | 17,10 | ● | ○ | | ○ | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 080412 .X36 | 19,80 | ● | ○ | | ○ | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 010204 .X42 | 10,70 | ● | ● | | ○ | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X42 | 11,20 | ● | ● | | ○ | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X42 | 11,40 | ● | ● | | ○ | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X42 | 12,60 | ● | ● | | ○ | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 050412 .X42 | 14,70 | ● | ● | | ○ | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 060412 .X42 | 16,30 | ● | ● | | ○ | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 080412 .X42 | 19,10 | ● | ● | | ○ | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 010204 .X52 | 10,70 | ● | ○ | ○ | | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X52 | 11,20 | ● | ○ | ○ | | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X52 | 11,40 | ● | ○ | ○ | | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X52 | 12,60 | ● | ○ | ○ | | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 050412 .X52 | 14,70 | ● | ○ | ○ | | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 060412 .X52 | 16,30 | ● | ○ | ○ | | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 080412 .X52 | 19,10 | ● | ○ | ○ | | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 010204 .X52 | 11,20 | ○ | | ● | | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 020204 .X52 | 11,70 | ○ | | ● | | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 |
| QCMX 030308 .X52 | 11,90 | ○ | | ● | | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 040308 .X52 | 13,40 | ○ | | ● | | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 |
| QCMX 050412 .X52 | 15,10 | ○ | | ● | | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 060412 .X52 | 17,10 | ○ | | ● | | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 080412 .X52 | 19,80 | ○ | | ● | | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 |

- QCMXX36** = *CONSIGLIATO PER ACCIAIO NON LEGATO* *RECOMMENDED FOR NOT ALLOY STEEL*
- QCMXX42** = *CONSIGLIATO PER ACCIAIO INOX* *RECOMMENDED FOR STAINLESS STEEL*
- QCMXX52** = *CONSIGLIATO PER ACCIAIO* *RECOMMENDED FOR STEEL*
- QCMXX52** = *CONSIGLIATO PER GHISA* *RECOMMENDED FOR CAST IRON*

| MATERIALI - MATERIALS | VDI 3323 GR. | HB Rm ¹⁾ HRC ²⁾ | fn mm | | | | | | Vc m/min | | | | |
|---|--------------|---------------------------------------|-----------|-----------|------------|-----------|-----------|-----------|----------|-------|-------|------|--|
| | | | Ø15-19,5 | Ø20-23 | Ø23,5-29,5 | Ø30-39,5 | Ø40-49 | Ø50-60 | T3610 | T5320 | T5322 | T530 | |
| P ACCIAIO NON LEGATO - NOT ALLOY STEEL | 1-5 | 125-300 | 0,04-0,10 | 0,04-0,12 | 0,04-0,14 | 0,06-0,16 | 0,06-0,18 | 0,08-0,2 | | | 300 | 180 | |
| | 6-9 | 180-350 | 0,04-0,12 | 0,04-0,16 | 0,04-0,20 | 0,06-0,22 | 0,06-0,25 | 0,08-0,3 | 280 | 280 | 280 | 170 | |
| | 10-11 | 200-325 | 0,04-0,12 | 0,04-0,16 | 0,04-0,20 | 0,06-0,22 | 0,06-0,25 | 0,08-0,3 | 240 | 250 | | | |
| | 12-13 | 200-240 | 0,04-0,10 | 0,04-0,1 | 0,04-0,12 | 0,06-0,15 | 0,06-0,2 | 0,08-0,22 | 180 | 200 | | | |
| M INOX AUST. DUPLEX - STAINLESS STEEL AUST | 14.1-14.2 | 180-230 | 0,04-0,08 | 0,04-0,12 | 0,06-0,18 | 0,06-0,20 | 0,06-0,22 | 0,08-0,25 | | 140 | 200 | 120 | |
| K GHISA GRIGIA - GREY CAST IRON | 15-16 | 180-260 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | 0,08-0,26 | 0,08-0,3 | 350 | 280 | | | |
| | 17-18 | 160-250 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | 0,08-0,26 | 0,08-0,3 | 280 | 240 | | | |
| | 19-20 | 130-230 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | 0,08-0,26 | 0,08-0,3 | 300 | 260 | | | |
| N ALLUMINIO E SUE LEGHE - ALUMINIUM | 21-25 | 60-130 | 0,05-0,14 | 0,08-0,18 | 0,1-0,22 | 0,1-0,24 | 0,1-0,28 | 0,12-0,3 | | | 400 | 400 | |
| | 26-28 | 90-110 | 0,04-0,14 | 0,04-0,16 | 0,06-0,2 | 0,06-0,2 | 0,1-0,25 | 0,1-0,25 | | | 300 | 300 | |
| | 29-30 | / | 0,04-0,14 | 0,04-0,16 | 0,06-0,2 | 0,06-0,2 | 0,1-0,25 | 0,1-0,25 | | | 300 | 300 | |
| S LEGHE RESIST. CALORE - HIG. TEMP. ALLOY | 31-35 | 200-320 | | | | | | | | | | | |
| | 36-37 | 400-1050 ¹⁾ | | | | | | | | | | | |
| H ACCIAIO TEMPRATO - HARDENED STEEL | 38-41 | 45-60 ²⁾ | | | | | | | | | | | |

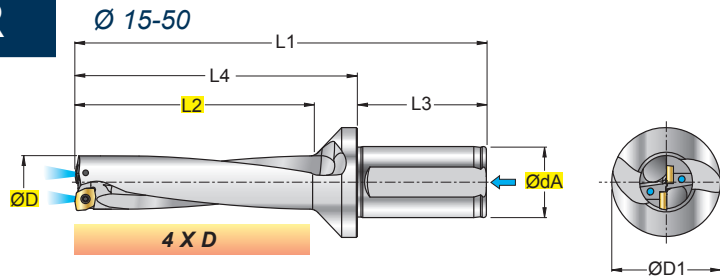
Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED
n = giri/min (min⁻¹) NUMERO DI GIRI - NUMBER OF REVOLUTIONS
fn = mm AVANZAMENTO AL GIRO - FEED / REVOLUTION
Vf = mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED

Vf = fn · n = mm/min

$n = \frac{Vc \cdot 1000}{\phi D \cdot 3,14} = \text{giri/min (min}^{-1}\text{)}$

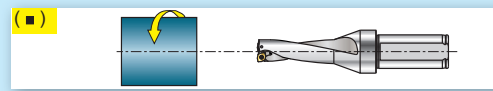
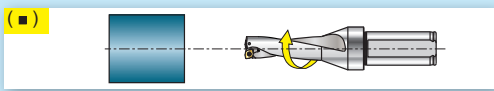
■ DISPONIBILI - IN STOCK - LIEFERBAR - DISPONIBLES / ■ NEW
● APPLICAZIONE CONSIGLIATA-RECOMMENDED APPLICATION
EMPFÖHLENER EINSATZ - APPLICATION CONSEILLÉE
□ A RICHIESTA - ON REQUEST - AUF ANFRAGE - SUR DEMANDE / □ NEW
○ APPLICAZIONE POSSIBILE - POSSIBLE APPLICATION
MÖGLICHE ANWENDUNG - APPLICATION POSSIBLE

SDQ ..40 R



| | |
|------------------|--|
| QCMXX36 | |
| QCMXX42 | |
| QCMXX52 | |

| ART. | Prezzo Listino Price List (€) | ØD (mm) | ØdA (mm) | ØD1 (mm) | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | kg | Nm | | | |
|-------------|-------------------------------|---------|----------|----------|---------|---------|---------|---------|------|---------|--------|---------|-------|
| SDQ 15040 R | 315,80 | 15,0 | 20 | 32 | 120 | 65 | 40 | 80 | 0,20 | 0,9+1,0 | 010204 | 12225P | 5607P |
| SDQ 15540 R | 315,80 | 15,5 | 20 | 32 | 122 | 67 | 40 | 82 | 0,20 | 0,9+1,0 | | | |
| SDQ 16040 R | 315,80 | 16,0 | 20 | 32 | 124 | 69 | 40 | 84 | 0,20 | 0,9+1,0 | | | |
| SDQ 16540 R | 315,80 | 16,5 | 20 | 32 | 126 | 71 | 40 | 86 | 0,21 | 0,9+1,0 | | | |
| SDQ 17040 R | 315,80 | 17,0 | 20 | 32 | 128 | 73 | 40 | 88 | 0,21 | 0,9+1,0 | | | |
| SDQ 17540 R | 331,30 | 17,5 | 25 | 37 | 147 | 76 | 54 | 93 | 0,37 | 0,9+1,0 | | | |
| SDQ 18040 R | 331,30 | 18,0 | 25 | 37 | 149 | 78 | 54 | 95 | 0,38 | 0,9+1,0 | | | |
| SDQ 18540 R | 331,30 | 18,5 | 25 | 37 | 151 | 80 | 54 | 97 | 0,38 | 0,9+1,0 | | | |
| SDQ 19040 R | 331,30 | 19,0 | 25 | 37 | 153 | 82 | 54 | 99 | 0,39 | 0,9+1,0 | | | |
| SDQ 19540 R | 331,30 | 19,5 | 25 | 37 | 155 | 84 | 54 | 101 | 0,39 | 0,9+1,0 | | | |
| SDQ 20040 R | 331,30 | 20,0 | 25 | 37 | 157 | 86 | 54 | 103 | 0,39 | 0,9+1,0 | 020204 | 12225P | 5607P |
| SDQ 20540 R | 341,60 | 20,5 | 25 | 37 | 159 | 88 | 54 | 105 | 0,40 | 0,9+1,0 | | | |
| SDQ 21040 R | 341,60 | 21,0 | 25 | 37 | 161 | 90 | 54 | 107 | 0,41 | 0,9+1,0 | | | |
| SDQ 21540 R | 341,60 | 21,5 | 25 | 37 | 163 | 92 | 54 | 109 | 0,41 | 0,9+1,0 | | | |
| SDQ 22040 R | 341,60 | 22,0 | 25 | 37 | 165 | 94 | 54 | 111 | 0,42 | 0,9+1,0 | | | |
| SDQ 22540 R | 341,60 | 22,5 | 25 | 37 | 167 | 96 | 54 | 113 | 0,43 | 0,9+1,0 | | | |
| SDQ 23040 R | 341,60 | 23,0 | 25 | 37 | 169 | 98 | 54 | 115 | 0,44 | 0,9+1,0 | | | |
| SDQ 23540 R | 341,60 | 23,5 | 25 | 37 | 170 | 99 | 54 | 116 | 0,44 | 1,2+1,5 | 030308 | 123008P | 5608P |
| SDQ 24040 R | 341,60 | 24,0 | 25 | 37 | 173 | 102 | 54 | 119 | 0,45 | 1,2+1,5 | | | |
| SDQ 24540 R | 341,60 | 24,5 | 25 | 37 | 175 | 104 | 54 | 121 | 0,47 | 1,2+1,5 | | | |
| SDQ 25040 R | 377,90 | 25,0 | 32 | 49 | 184 | 107 | 58 | 126 | 0,72 | 1,2+1,5 | | | |
| SDQ 25540 R | 377,90 | 25,5 | 32 | 49 | 186 | 109 | 58 | 128 | 0,73 | 1,2+1,5 | | | |
| SDQ 26040 R | 377,90 | 26,0 | 32 | 49 | 188 | 111 | 58 | 130 | 0,74 | 1,2+1,5 | | | |
| SDQ 26540 R | 377,90 | 26,5 | 32 | 49 | 190 | 113 | 58 | 132 | 0,75 | 1,2+1,5 | | | |
| SDQ 27040 R | 388,20 | 27,0 | 32 | 49 | 192 | 115 | 58 | 134 | 0,75 | 1,2+1,5 | | | |
| SDQ 27540 R | 388,20 | 27,5 | 32 | 49 | 194 | 117 | 58 | 136 | 0,76 | 1,2+1,5 | | | |
| SDQ 28040 R | 388,20 | 28,0 | 32 | 49 | 196 | 119 | 58 | 138 | 0,77 | 1,2+1,5 | | | |
| SDQ 28540 R | 388,20 | 28,5 | 32 | 49 | 198 | 121 | 58 | 140 | 0,78 | 1,2+1,5 | | | |
| SDQ 29040 R | 414,10 | 29,0 | 32 | 49 | 200 | 123 | 58 | 142 | 0,80 | 1,2+1,5 | | | |
| SDQ 29540 R | 414,10 | 29,5 | 32 | 49 | 202 | 125 | 58 | 144 | 0,82 | 1,2+1,5 | | | |
| SDQ 30040 R | 414,10 | 30,0 | 32 | 49 | 204 | 127 | 58 | 146 | 0,82 | 1,2+1,5 | 040308 | 123008P | 5608P |
| SDQ 31040 R | 414,10 | 31,0 | 32 | 49 | 208 | 131 | 58 | 150 | 0,84 | 1,2+1,5 | | | |
| SDQ 32040 R | 481,40 | 32,0 | 40 | 59 | 226 | 136 | 68 | 158 | 1,33 | 1,2+1,5 | | | |
| SDQ 33040 R | 481,40 | 33,0 | 40 | 59 | 230 | 140 | 68 | 162 | 1,36 | 1,2+1,5 | | | |
| SDQ 34040 R | 481,40 | 34,0 | 40 | 59 | 234 | 144 | 68 | 166 | 1,42 | 1,2+1,5 | | | |
| SDQ 35040 R | 507,30 | 35,0 | 40 | 59 | 238 | 148 | 68 | 170 | 1,45 | 3,0+3,5 | 050412 | 123511P | 5615P |
| SDQ 36040 R | 507,30 | 36,0 | 40 | 59 | 242 | 152 | 68 | 174 | 1,49 | 3,0+3,5 | | | |
| SDQ 37040 R | 507,30 | 37,0 | 40 | 59 | 246 | 156 | 68 | 178 | 1,52 | 3,0+3,5 | | | |
| SDQ 38040 R | 517,70 | 38,0 | 40 | 59 | 250 | 160 | 68 | 182 | 1,57 | 3,0+3,5 | | | |
| SDQ 39040 R | 517,70 | 39,0 | 40 | 59 | 254 | 164 | 68 | 186 | 1,62 | 3,0+3,5 | | | |
| SDQ 40040 R | 517,70 | 40,0 | 40 | 59 | 258 | 168 | 68 | 190 | 1,62 | 3,0+3,5 | 060412 | 123511P | 5615P |
| SDQ 41040 R | 517,70 | 41,0 | 40 | 59 | 262 | 172 | 68 | 194 | 1,70 | 3,0+3,5 | | | |
| SDQ 42040 R | 579,80 | 42,0 | 40 | 59 | 266 | 176 | 68 | 198 | 1,76 | 3,0+3,5 | | | |
| SDQ 43040 R | 579,80 | 43,0 | 40 | 59 | 270 | 180 | 68 | 202 | 1,85 | 3,0+3,5 | | | |
| SDQ 44040 R | 579,80 | 44,0 | 40 | 59 | 274 | 184 | 68 | 206 | 1,90 | 3,0+3,5 | | | |
| SDQ 45040 R | 579,80 | 45,0 | 40 | 59 | 278 | 188 | 68 | 210 | 1,95 | 3,0+3,5 | | | |
| SDQ 46040 R | 600,50 | 46,0 | 40 | 59 | 290 | 192 | 68 | 222 | 2,01 | 3,0+3,5 | | | |
| SDQ 47040 R | 600,50 | 47,0 | 40 | 59 | 294 | 196 | 68 | 226 | 2,10 | 3,0+3,5 | | | |
| SDQ 48040 R | 600,50 | 48,0 | 40 | 59 | 298 | 200 | 68 | 230 | 2,18 | 3,0+3,5 | | | |
| SDQ 49040 R | 600,50 | 49,0 | 40 | 59 | 302 | 204 | 68 | 234 | 2,32 | 3,0+3,5 | | | |
| SDQ 50040 R | 631,50 | 50,0 | 40 | 59 | 306 | 211 | 68 | 238 | 2,38 | 3,0+3,5 | 080412 | 123511P | 5615P |



(■) LAVORAZIONE OTTIMALE - OPTIMUM MACHINING - OPTIMALE BEARBEITUNG - USINAGE OPTIMALE
(□) LAVORAZIONE POSSIBILE - POSSIBLE MACHINING - MOEGliche BEARBEITUNG - USINAGE POSSIBLE

| SCELTA VELOCE - QUICK PICK | | | | | | | | | | HT | HW | HC | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|---|---|---|---|---|---|--|--|--------|----------------------------------|--|-------|-------|------|--|--|---|---|---|----|---|-----|-----|------|------|------|------|------|------|------|------|------|------|-----|-----|---|
| | | | | | | | | | | CERNET | NON RIV. CEMENTED CARBIDE GRADES | RIVESTITI COATED GRADES BESCHICHTET RECOUVERTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | T3610 | T5320 | T5322 | T530 | | | | | | | | | | | | | | | | | | | | | | |
| COD. | Prez. List. Price List € | P | M | K | N | S | H | | | | | | | | | | | l | d | s | d1 | r | a° | | | | | | | | | | | | | | |
| QCMX 010204 .X36 | 11,20 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 | | | | | | | | | |
| QCMX 020204 .X36 | 11,70 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 | | | | | | | | |
| QCMX 030308 .X36 | 11,90 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 | | | | | | | |
| QCMX 040308 .X36 | 13,40 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 | | | | | | |
| QCMX 050412 .X36 | 15,10 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 | | | | | |
| QCMX 060412 .X36 | 17,10 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 | | | | |
| QCMX 080412 .X36 | 19,80 | ● | ○ | | ○ | | | | | | | | | | | | | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 | | | |
| QCMX 010204 .X42 | 10,70 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 | | | |
| QCMX 020204 .X42 | 11,20 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 | | | |
| QCMX 030308 .X42 | 11,40 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 | | | |
| QCMX 040308 .X42 | 12,60 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 | | | |
| QCMX 050412 .X42 | 14,70 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 | | |
| QCMX 060412 .X42 | 16,30 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 | | |
| QCMX 080412 .X42 | 19,10 | ● | ● | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 | | |
| QCMX 010204 .X52 | 10,70 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 | | |
| QCMX 020204 .X52 | 11,20 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 | | |
| QCMX 030308 .X52 | 11,40 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 | | |
| QCMX 040308 .X52 | 12,60 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 | | |
| QCMX 050412 .X52 | 14,70 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 | |
| QCMX 060412 .X52 | 16,30 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 | |
| QCMX 080412 .X52 | 19,10 | ● | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 | |
| QCMX 010204 .X52 | 11,20 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | 5,4 | 5,8 | 2,38 | 2,5 | 0,4 | 7 | | |
| QCMX 020204 .X52 | 11,70 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | 6,6 | 7,1 | 2,38 | 2,5 | 0,4 | 7 | |
| QCMX 030308 .X52 | 11,90 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | 8,3 | 8,8 | 3,18 | 3,4 | 0,8 | 7 | |
| QCMX 040308 .X52 | 13,40 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | 9,6 | 10,2 | 3,18 | 3,4 | 0,8 | 7 | |
| QCMX 050412 .X52 | 15,10 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11,3 | 12,1 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 060412 .X52 | 17,10 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13,8 | 14,8 | 4,76 | 4,3 | 1,2 | 7 |
| QCMX 080412 .X52 | 19,80 | ○ | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17,2 | 18,5 | 4,76 | 4,3 | 1,2 | 7 |

- QCMXX36 = CONSIGLIATO PER ACCIAIO NON LEGATO RECOMMENDED FOR NOT ALLOY STEEL
- QCMXX42 = CONSIGLIATO PER ACCIAIO INOX RECOMMENDED FOR STAINLESS STEEL
- QCMXX52 = CONSIGLIATO PER ACCIAIO RECOMMENDED FOR STEEL
- QCMXX52 = CONSIGLIATO PER GHISA RECOMMENDED FOR CAST IRON

| MATERIALI - MATERIALS | VDI 3323 GR. | HB Rm ¹⁾ HRC ²⁾ | fn mm | | | | | | Vc m/min | | | | |
|--|--------------|---------------------------------------|-----------|-----------|------------|-----------|-----------|-----------|----------|-------|-------|------|--|
| | | | Ø15-19,5 | Ø20-23 | Ø23,5-29,5 | Ø30-39 | Ø40-49 | Ø50 | T3610 | T5320 | T5322 | T530 | |
| P ACCIAIO NON LEGATO - NOT ALLOY STEEL | 1-5 | 125-300 | 0,04-0,10 | 0,04-0,12 | 0,04-0,14 | 0,06-0,16 | 0,06-0,18 | 0,08-0,2 | | | 300 | 180 | |
| | 6-9 | 180-350 | 0,04-0,12 | 0,04-0,16 | 0,04-0,20 | 0,06-0,22 | 0,06-0,25 | 0,08-0,3 | | 280 | 280 | 170 | |
| | 10-11 | 200-325 | 0,04-0,12 | 0,04-0,16 | 0,04-0,20 | 0,06-0,22 | 0,06-0,25 | 0,08-0,3 | 240 | 250 | | | |
| | 12-13 | 200-240 | 0,04-0,10 | 0,04-0,1 | 0,04-0,12 | 0,06-0,15 | 0,06-0,2 | 0,08-0,22 | 180 | 200 | | | |
| M INOX AUST. DUPLEX - STAINLESS STEEL AUST | 14.1-14.2 | 180-230 | 0,04-0,08 | 0,04-0,12 | 0,06-0,18 | 0,06-0,20 | 0,06-0,22 | 0,08-0,25 | | 140 | 200 | 120 | |
| K GHISA GRIGIA - GREY CAST IRON | 15-16 | 180-260 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | 0,08-0,26 | 0,08-0,3 | 350 | 280 | | | |
| | 17-18 | 160-250 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | 0,08-0,26 | 0,08-0,3 | 280 | 240 | | | |
| | 19-20 | 130-230 | 0,06-0,15 | 0,06-0,18 | 0,06-0,22 | 0,06-0,24 | 0,08-0,26 | 0,08-0,3 | 300 | 260 | | | |
| N ALLUMINIO E SUE LEGHE - ALUMINIUM | 21-25 | 60-130 | 0,05-0,14 | 0,08-0,18 | 0,1-0,22 | 0,1-0,24 | 0,1-0,28 | 0,12-0,3 | | | 400 | 400 | |
| | 26-28 | 90-110 | 0,04-0,14 | 0,04-0,16 | 0,06-0,2 | 0,06-0,2 | 0,1-0,25 | 0,1-0,25 | | | 300 | 300 | |
| | 29-30 | / | 0,04-0,14 | 0,04-0,16 | 0,06-0,2 | 0,06-0,2 | 0,1-0,25 | 0,1-0,25 | | | 300 | 300 | |
| S LEGHE RESIST. CALORE - HIG. TEMP. ALLOY | 31-35 | 200-320 | | | | | | | | | | | |
| | 36-37 | 400-1050 ¹⁾ | | | | | | | | | | | |
| H ACCIAIO TEMPRATO - HARDENED STEEL | 38-41 | 45-60 ²⁾ | | | | | | | | | | | |

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED
n = giri/min (min⁻¹) NUMERO DI GIRI - NUMBER OF REVOLUTIONS
fn = mm AVANZAMENTO AL GIRO - FEED / REVOLUTION
Vf = mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED

$$Vf = fn \cdot n = \text{mm/min}$$

$$n = \frac{Vc \cdot 1000}{\varnothing D \cdot 3,14} = \text{giri/min (min}^{-1}\text{)}$$

■ DISPONIBILI - IN STOCK - LIEFERBAR - DISPONIBLES / ■ NEW
● APPLICAZIONE CONSIGLIATA-RECOMMENDED APPLICATION
EMPFÖHLENER EINSATZ - APPLICATION CONSEILLÉE

□ A RICHIESTA - ON REQUEST - AUF ANFRAGE - SUR DEMANDE / □ NEW
○ APPLICAZIONE POSSIBILE - POSSIBLE APPLICATION
MÖGLICHE ANWENDUNG - APPLICATION POSSIBLE

Made In Italy



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