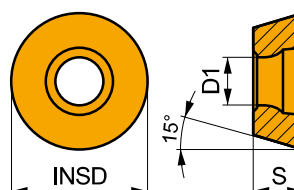


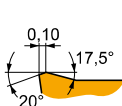
# RDGT 10

|      | INSD | D1   | S    |
|------|------|------|------|
|      | (mm) | (mm) | (mm) |
| 1003 | 10.0 | 3.90 | 3.18 |



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

| Producto | RE   | P       |            |      | M       |            |      | K       |            |      | N       |            |      | S       |            |      | H       |            |      |
|----------|------|---------|------------|------|---------|------------|------|---------|------------|------|---------|------------|------|---------|------------|------|---------|------------|------|
|          |      | vc      | f          | ap   | vc      | f          | ap   | vc      | f          | ap   | vc      | f          | ap   | vc      | f          | ap   | vc      | f          | ap   |
|          | (mm) | (m/min) | (mm/tooth) | (mm) | (m/min) | (mm/tooth) | (mm) | (m/min) | (mm/tooth) | (mm) | (m/min) | (mm/tooth) | (mm) | (m/min) | (mm/tooth) | (mm) | (m/min) | (mm/tooth) | (mm) |



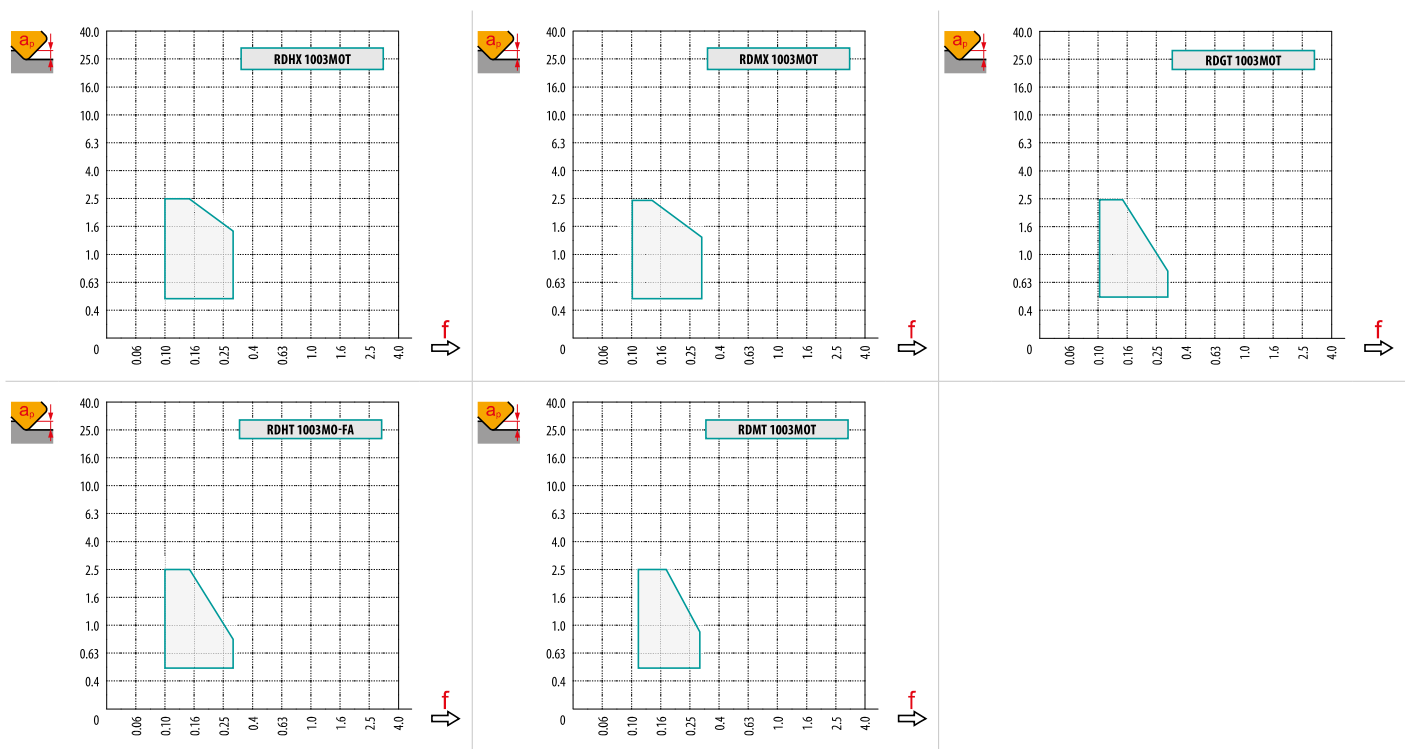
Diseño positivo para mecanizado de acabado.

|              |       |   |   |     |      |     |   |     |      |     |   |     |      |     |   |   |   |    |      |     |   |   |   |
|--------------|-------|---|---|-----|------|-----|---|-----|------|-----|---|-----|------|-----|---|---|---|----|------|-----|---|---|---|
| RDGT 1003MOT | M6330 | — | ■ | 290 | 0.15 | 1.0 | ■ | 205 | 0.14 | 1.0 | — | —   | —    | —   | — | — | ■ | 85 | 0.12 | 0.8 | — | — | — |
|              | M8310 | — | ■ | 375 | 0.15 | 1.0 | ▣ | 190 | 0.14 | 1.0 | ■ | 355 | 0.15 | 1.0 | — | — | — | —  | —    | —   | — | — | — |
|              | M8325 | — | ■ | 280 | 0.15 | 1.0 | ▣ | 130 | 0.14 | 1.0 | — | —   | —    | —   | — | — | — | —  | —    | —   | — | — |   |
|              | M8345 | — | ■ | 250 | 0.15 | 1.0 | ■ | 150 | 0.14 | 1.0 | — | —   | —    | —   | — | — | ■ | 60 | 0.12 | 0.8 | — | — | — |
|              | M9340 | — | ■ | 395 | 0.15 | 1.0 | ■ | 235 | 0.14 | 1.0 | — | —   | —    | —   | — | — | ■ | 95 | 0.12 | 0.8 | — | — | — |



| $a_e$<br>DCX | 5 %  | 10 % | 15 % | 20 % | 25 % | 30 % | 40 % | 50 % | 60 % | 70 % | 75 % | 80 % | 90 % | 100 % |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|              | 1.48 | 1.35 | 1.27 | 1.22 | 1.19 | 1.16 | 1.11 | 1.08 | 1.05 | 1.03 | 1.00 | 1.00 | 1.00 | 1.00  |
|              | 2.20 | 1.60 | 1.35 | 1.20 | 1.10 | 0.95 | 0.85 | 0.75 | 0.85 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00  |
|              | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.65 | 0.65 | 0.67 | 0.68 | 0.71 | 0.72 | 0.74 | 0.79 | 1.00  |

|  | RDHX 10 | RDMX 10 | RDGT 10 | RDHT 10-FA |
|--|---------|---------|---------|------------|
|  | 5.0     | 5.0     | 5.0     | 5.0        |
|  | —       | —       | —       | —          |



|    |  | 0.00 | 0.50 | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 5.00 |
|----|--|------|------|------|------|------|------|------|------|------|------|------|------|
| 20 |  | 10.0 | 14.4 | 15.3 | 16.0 | 16.6 | 17.1 | 18.0 | 18.7 | 19.2 | 19.5 | 19.8 | 20.0 |
| 25 |  | 15.0 | 19.4 | 20.3 | 21.0 | 21.6 | 22.1 | 23.0 | 23.7 | 24.2 | 24.5 | 24.8 | 25.0 |
| 30 |  | 20.0 | 24.4 | 25.3 | 26.0 | 26.6 | 27.1 | 28.0 | 28.7 | 29.2 | 29.5 | 29.8 | 30.0 |
| 32 |  | 22.0 | 26.4 | 27.3 | 28.0 | 28.6 | 29.1 | 30.0 | 30.7 | 31.2 | 31.5 | 31.8 | 32.0 |
| 35 |  | 25.0 | 29.4 | 30.3 | 31.0 | 31.6 | 32.1 | 33.0 | 33.7 | 34.2 | 34.5 | 34.8 | 35.0 |
| 42 |  | 32.0 | 36.4 | 37.3 | 38.0 | 38.6 | 39.1 | 40.0 | 40.7 | 41.2 | 41.5 | 41.8 | 42.0 |
| 52 |  | 42.0 | 46.4 | 47.3 | 48.0 | 48.6 | 49.1 | 50.0 | 50.7 | 51.2 | 51.5 | 51.8 | 52.0 |
|    |  | 0.00 | 0.50 | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 5.00 |
|    |  | —    | 0.54 | 0.44 | 0.39 | 0.35 | 0.32 | 0.28 | 0.25 | 0.23 | 0.22 | 0.21 | 0.19 |



|    | RPMX | APMX/I |
|----|------|--------|
| 20 | 20   | 2.5/15 |
| 25 | 12   | 2.5/25 |
| 30 | 8    | 2.5/37 |
| 32 | 7.5  | 2.5/20 |
| 35 | 7    | 2.5/42 |
| 42 | 4    | 2.5/37 |
| 52 | 3    | 2.5/49 |



|    | DMIN | DMAX  | SMAX<br>DMIN | SMAX<br>DMAX |
|----|------|-------|--------------|--------------|
| 20 | 22.0 | 40.0  | 2.5          | 2.5          |
| 25 | 32.0 | 50.0  | 2.5          | 2.5          |
| 30 | 42.0 | 60.0  | 2.5          | 2.5          |
| 32 | 46.0 | 64.0  | 2.5          | 2.5          |
| 35 | 52.0 | 70.0  | 2.5          | 2.5          |
| 42 | 66.0 | 84.0  | 2.5          | 2.5          |
| 52 | 86.0 | 104.0 | 2.5          | 2.5          |



2.5



|     | $\mu\text{m}$ | 3     | 5     | 10    | 15    | 20    | 30    | 40    | 50    | 60    | 80    | 100   |
|-----|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 20  |               | 0.490 | 0.632 | 0.894 | 1.095 | 1.265 | 1.549 | 1.789 | 2.000 | 2.191 | 2.530 | 2.828 |
| 25  |               | 0.548 | 0.707 | 1.000 | 1.225 | 1.414 | 1.732 | 2.000 | 2.236 | 2.449 | 2.828 | 3.162 |
| 30  |               | 0.600 | 0.775 | 1.095 | 1.342 | 1.549 | 1.897 | 2.191 | 2.449 | 2.683 | 3.098 | 3.464 |
| 32  |               | 0.620 | 0.800 | 1.131 | 1.386 | 1.600 | 1.960 | 2.263 | 2.530 | 2.771 | 3.200 | 3.578 |
| 35  |               | 0.648 | 0.837 | 1.183 | 1.449 | 1.673 | 2.049 | 2.366 | 2.646 | 2.898 | 3.347 | 3.742 |
| 42  |               | 0.710 | 0.917 | 1.296 | 1.587 | 1.833 | 2.245 | 2.592 | 2.898 | 3.175 | 3.666 | 4.099 |
| 52  |               | 0.790 | 1.020 | 1.442 | 1.766 | 2.040 | 2.498 | 2.884 | 3.225 | 3.533 | 4.079 | 4.561 |
| RE  | $\mu\text{m}$ | 3     | 5     | 10    | 15    | 20    | 30    | 40    | 50    | 60    | 80    | 100   |
| 5.0 |               | 0.346 | 0.447 | 0.632 | 0.775 | 0.894 | 1.095 | 1.265 | 1.414 | 1.549 | 1.789 | 2.000 |