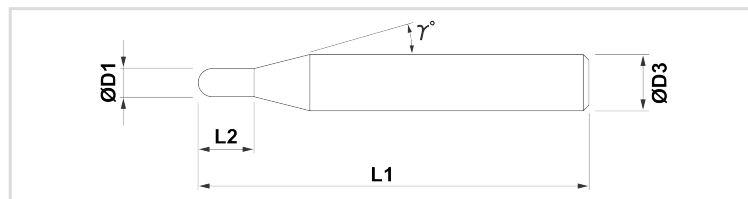


## Fresa MD esf. MSB230 - 2Nav

## Categorias

- Esféricas
- Esféricas

NS TOOL



| Ref.            | Descrição         | D1   | D3 | L1 | L2   | Ângulo | Raio canto | Z |
|-----------------|-------------------|------|----|----|------|--------|------------|---|
| 020680050100005 | Ø0.1x0.1x50-S04   | 0.1  | 4  | 50 | 0.1  | 15°    | R0.05      | 2 |
| 020680050000005 | Ø0.1x0.1x50-S06   | 0.1  | 6  | 50 | 0.1  | 15°    | R0.05      | 2 |
| 020680050100007 | Ø0.15x0.15x50-S04 | 0.15 | 4  | 50 | 0.15 | 15°    | R0.075     | 2 |
| 020680050000007 | Ø0.15x0.15x50-S06 | 0.15 | 6  | 50 | 0.15 | 15°    | R0.075     | 2 |
| 020680050100010 | Ø0.2x0.2x50-S04   | 0.2  | 4  | 50 | 0.2  | 15°    | R0.1       | 2 |
| 020680050000010 | Ø0.2x0.2x50-S06   | 0.2  | 6  | 50 | 0.2  | 15°    | R0.1       | 2 |
| 020680050100015 | Ø0.3x0.3x50-S04   | 0.3  | 4  | 50 | 0.3  | 15°    | R0.15      | 2 |
| 020680050000015 | Ø0.3x0.3x50-S06   | 0.3  | 6  | 50 | 0.3  | 15°    | R0.15      | 2 |
| 020680050100020 | Ø0.4x0.6x50-S04   | 0.4  | 4  | 50 | 0.6  | 15°    | R0.2       | 2 |
| 020680050000020 | Ø0.4x0.6x50-S06   | 0.4  | 6  | 50 | 0.6  | 15°    | R0.2       | 2 |
| 020680050100025 | Ø0.5x0.8x50-S04   | 0.5  | 4  | 50 | 0.8  | 15°    | R0.25      | 2 |
| 020680050000025 | Ø0.5x0.8x50-S06   | 0.5  | 6  | 50 | 0.8  | 15°    | R0.25      | 2 |
| 020680050100030 | Ø0.6x0.9x50-S04   | 0.6  | 4  | 50 | 0.9  | 15°    | R0.3       | 2 |
| 020680050000030 | Ø0.6x0.9x50-S06   | 0.6  | 6  | 50 | 0.9  | 15°    | R0.3       | 2 |
| 020680050000035 | Ø0.7x1.1x50-S06   | 0.7  | 6  | 50 | 1.1  | 15°    | R0.35      | 2 |
| 020680050100040 | Ø0.8x1.2x50-S04   | 0.8  | 4  | 50 | 1.2  | 15°    | R0.4       | 2 |
| 020680050000040 | Ø0.8x1.2x50-S06   | 0.8  | 6  | 50 | 1.2  | 15°    | R0.4       | 2 |
| 020680050000045 | Ø0.9x1.4x50-S06   | 0.9  | 6  | 50 | 1.4  | 15°    | R0.45      | 2 |
| 020680050100050 | Ø1x1.5x50-S04     | 1    | 4  | 50 | 1.5  | 15°    | R0.5       | 2 |
| 020680050000050 | Ø1x1.5x50-S06     | 1    | 6  | 50 | 1.5  | 15°    | R0.5       | 2 |
| 020680050000055 | Ø1.1x1.7x50-S06   | 1.1  | 6  | 50 | 1.7  | 15°    | R0.55      | 2 |
| 020680050100060 | Ø1.2x1.8x50-S04   | 1.2  | 4  | 50 | 1.8  | 15°    | R0.6       | 2 |
| 020680050000060 | Ø1.2x1.8x50-S06   | 1.2  | 6  | 50 | 1.8  | 15°    | R0.6       | 2 |
| 020680050000065 | Ø1.3x2x50-S06     | 1.3  | 6  | 50 | 2    | 15°    | R0.65      | 2 |
| 020680050100070 | Ø1.4x2.1x50-S04   | 1.4  | 4  | 50 | 2.1  | 15°    | R0.7       | 2 |

| Ref.            | Descrição       | D1  | D3 | L1  | L2   | Ângulo | Raio canto | Z |
|-----------------|-----------------|-----|----|-----|------|--------|------------|---|
| 020680050000070 | Ø1.4x2.1x50-S06 | 1.4 | 6  | 50  | 2.1  | 15°    | R0.7       | 2 |
| 020680050100075 | Ø1.5x2.3x50-S04 | 1.5 | 4  | 50  | 2.3  | 15°    | R0.75      | 2 |
| 020680050000075 | Ø1.5x2.3x50-S06 | 1.5 | 6  | 50  | 2.3  | 15°    | R0.75      | 2 |
| 020680050100080 | Ø1.6x2.4x50-S04 | 1.6 | 4  | 50  | 2.4  | 15°    | R0.8       | 2 |
| 020680050000080 | Ø1.6x2.4x50-S06 | 1.6 | 6  | 50  | 2.4  | 15°    | R0.8       | 2 |
| 020680050000085 | Ø1.7x2.6x50-S06 | 1.7 | 6  | 50  | 2.6  | 15°    | R0.85      | 2 |
| 020680050000090 | Ø1.8x2.7x50-S06 | 1.8 | 6  | 50  | 2.7  | 15°    | R0.9       | 2 |
| 020680050000095 | Ø1.9x2.9x50-S06 | 1.9 | 6  | 50  | 2.9  | 15°    | R0.95      | 2 |
| 020680050100100 | Ø2x3x60-S04     | 2   | 4  | 60  | 3    | 9°     | R1         | 2 |
| 020680050000100 | Ø2x3x60-S06     | 2   | 6  | 60  | 3    | 9°     | R1         | 2 |
| 020680050000105 | Ø2.1x3.2x60-S06 | 2.1 | 6  | 60  | 3.2  | 9°     | R1.05      | 2 |
| 020680050000145 | Ø2.9x4.4x60-S06 | 2.9 | 6  | 60  | 4.4  | 9°     | R1.45      | 2 |
| 020680050100150 | Ø3x5x60-S04     | 3   | 4  | 60  | 5    | 9°     | R1.5       | 2 |
| 020680050000150 | Ø3x5x60-S06     | 3   | 6  | 60  | 5    | 9°     | R1.5       | 2 |
| 020680050000155 | Ø3.1x5x60-S06   | 3.1 | 6  | 60  | 5    | 9°     | R1.55      | 2 |
| 020680050000160 | Ø3.2x5x60-S06   | 3.2 | 6  | 60  | 5    | 9°     | R1.6       | 2 |
| 020680050000165 | Ø3.3x5x60-S06   | 3.3 | 6  | 60  | 5    | 9°     | R1.65      | 2 |
| 020680050000170 | Ø3.4x5.1x60-S06 | 3.4 | 6  | 60  | 5.1  | 9°     | R1.7       | 2 |
| 020680050000175 | Ø3.5x5.3x60-S06 | 3.5 | 6  | 60  | 5.3  | 9°     | R1.75      | 2 |
| 020680050000180 | Ø3.6x5.4x60-S06 | 3.6 | 6  | 60  | 5.4  | 9°     | R1.8       | 2 |
| 020680050000185 | Ø3.7x5.6x60-S06 | 3.7 | 6  | 60  | 5.6  | 9°     | R1.85      | 2 |
| 020680050000285 | Ø5.7x8.6x70-S06 | 5.7 | 6  | 70  | 8.6  | 9°     | R2.85      | 2 |
| 020680050000290 | Ø5.8x8.7x70-S06 | 5.8 | 6  | 70  | 8.7  | 9°     | R2.9       | 2 |
| 020680050000295 | Ø5.9x8.9x70-S06 | 5.9 | 6  | 70  | 8.9  | 9°     | R2.95      | 2 |
| 020680050000300 | Ø6x10x80-S06    | 6   | 6  | 80  | 10   |        |            |   |
| 020680050000350 | Ø7x10.5x80-S06  | 7   | 6  | 80  | 10.5 | -      | R3.5       | 2 |
| 020680050000400 | Ø8x12x90        | 8   | 8  | 90  | 12   | -      | R4         | 2 |
| 020680050000450 | Ø9x13.5x90      | 9   | 8  | 90  | 13.5 | -      | R4.5       | 2 |
| 020680050000500 | Ø10x15x100      | 10  | 10 | 100 | 15   | -      | R5         | 2 |
| 020680050000550 | Ø11x16.5x100    | 11  | 10 | 100 | 16.5 | -      | R5.5       | 2 |
| 020680050000600 | Ø12x20x110      | 12  | 12 | 110 | 20   | -      | R6         | 2 |
| 020680050000700 | Ø14x21x160      | 14  | 12 | 160 | 21   | -      | R7         | 2 |
| 020680050000800 | Ø16x25x160      | 16  | 16 | 160 | 25   | -      | R8         | 2 |
| 020680050000900 | Ø18x27x170      | 18  | 16 | 170 | 27   | -      | R9         | 2 |
| 020680050001000 | Ø20x30x170      | 20  | 20 | 170 | 30   | -      | R10        | 2 |
| 020680050000110 | Ø2.2x3.3x60-S06 | 2.2 | 6  | 60  | 3.3  | 9°     | R1.1       | 2 |
| 020680050000115 | Ø2.3x3.5x60-S06 | 2.3 | 6  | 60  | 3.5  | 9°     | R1.15      | 2 |
| 020680050000120 | Ø2.4x3.6x60-S06 | 2.4 | 6  | 60  | 3.6  | 9°     | R1.2       | 2 |
| 020680050100125 | Ø2.5x3.8x60-S04 | 2.5 | 4  | 60  | 3.8  | 9°     | R1.25      | 2 |
| 020680050000125 | Ø2.5x3.8x60-S06 | 2.5 | 6  | 60  | 3.8  | 9°     | R1.25      | 2 |
| 020680050000130 | Ø2.6x3.9x60-S06 | 2.6 | 6  | 60  | 3.9  | 9°     | R1.3       | 2 |
| 020680050000135 | Ø2.7x4.1x60-S06 | 2.7 | 6  | 60  | 4.1  | 9°     | R1.35      | 2 |
| 020680050000140 | Ø2.8x4.2x60-S06 | 2.8 | 6  | 60  | 4.2  | 9°     | R1.4       | 2 |

| Ref.            | Descrição       | D1  | D3 | L1 | L2  | Ângulo | Raio canto | Z |
|-----------------|-----------------|-----|----|----|-----|--------|------------|---|
| 020680050000190 | Ø3.8x5.7x60-S06 | 3.8 | 6  | 60 | 5.7 | 9°     | R1.9       | 2 |
| 020680050000195 | Ø3.9x5.9x60-S06 | 3.9 | 6  | 60 | 5.9 | 9°     | R1.95      | 2 |
| 020680050000200 | Ø4x6x70-S06     | 4   | 6  | 70 | 6   | 9°     | R2         | 2 |
| 020680050000205 | Ø4.1x6.2x70-S06 | 4.1 | 6  | 70 | 6.2 | 9°     | R2.05      | 2 |
| 020680050000210 | Ø4.2x6.3x70-S06 | 4.2 | 6  | 70 | 6.3 | 9°     | R2.1       | 2 |
| 020680050000215 | Ø4.3x6.5x70-S06 | 4.3 | 6  | 70 | 6.5 | 9°     | R2.15      | 2 |
| 020680050000220 | Ø4.4x6.6x70-S06 | 4.4 | 6  | 70 | 6.6 | 9°     | R2.2       | 2 |
| 020680050000225 | Ø4.5x6.8x70-S06 | 4.5 | 6  | 70 | 6.8 | 9°     | R2.25      | 2 |
| 020680050000230 | Ø4.6x6.9x70-S06 | 4.6 | 6  | 70 | 6.9 | 9°     | R2.3       | 2 |
| 020680050000235 | Ø4.7x7.1x70-S06 | 4.7 | 6  | 70 | 7.1 | 9°     | R2.35      | 2 |
| 020680050000240 | Ø4.8x7.2x70-S06 | 4.8 | 6  | 70 | 7.2 | 9°     | R2.4       | 2 |
| 020680050000245 | Ø4.9x7.4x70-S06 | 4.9 | 6  | 70 | 7.4 | 9°     | R2.45      | 2 |
| 020680050000250 | Ø5x8x70-S06     | 5   | 6  | 70 | 8   | 9°     | R2.5       | 2 |
| 020680050000255 | Ø5.1x8x70-S06   | 5.1 | 6  | 70 | 8   | 9°     | R2.55      | 2 |
| 020680050000260 | Ø5.2x8x70-S06   | 5.2 | 6  | 70 | 8   | 9°     | R2.6       | 2 |
| 020680050000265 | Ø5.3x8x70-S06   | 5.3 | 6  | 70 | 8   | 9°     | R2.65      | 2 |
| 020680050000270 | Ø5.4x8.1x70-S06 | 5.4 | 6  | 70 | 8.1 | 9°     | R2.7       | 2 |
| 020680050000275 | Ø5.5x8.3x70-S06 | 5.5 | 6  | 70 | 8.3 | 9°     | R2.75      | 2 |
| 020680050000280 | Ø5.6x8.4x70-S06 | 5.6 | 6  | 70 | 8.4 | 9°     | R2.8       | 2 |