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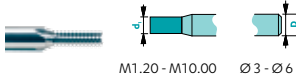
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Thread tools

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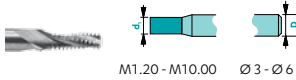
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REF. 5300

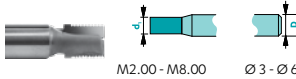


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PCD thread mill

REF. 45200

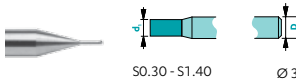


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Whirling tools

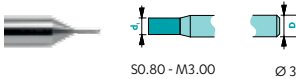
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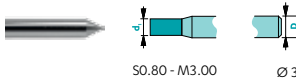
261

REF. 5600



262

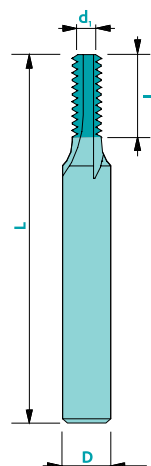
REF. 5700



263

| | | | | |
|-----|-----|---|---|------|
| 80 | 100 | □ | ■ | Trio |
| 60 | 80 | □ | ■ | Trio |
| 40 | 60 | □ | ■ | Trio |
| 70 | 50 | □ | ■ | Trio |
| 150 | 180 | □ | ■ | Solo |
| 140 | 190 | ■ | □ | Solo |
| 200 | 250 | □ | ■ | Solo |
| 140 | 180 | ■ | □ | Solo |
| - | - | - | - | - |
| - | - | □ | ■ | Trio |
| 40 | - | ■ | - | Rico |

$d_1 \leq 1\text{mm} \rightarrow +0/-0.01$ $D: h5$
 $d_1 > 1\text{mm} \rightarrow +0/-0.02$
 $d_1 = D \rightarrow d_1: e8$



| Art. n° | Ø nominal | | d_1 | l_1 | D | L | Z |
|----------------|------------|------|-------|-------|---|----|---|
| 5200M1.20 | M1.20 | 0.25 | 0.85 | 2.4 | 3 | 38 | 2 |
| 5200M1.40 | M1.40 | 0.30 | 1.00 | 2.8 | 3 | 38 | 3 |
| 5200M1.60/1.80 | M1.60/1.80 | 0.35 | 1.10 | 3.6 | 3 | 38 | 3 |
| 5200M2.00 | M2.00 | 0.40 | 1.40 | 4.0 | 3 | 38 | 3 |
| 5200M2.50 | M2.50 | 0.45 | 1.80 | 5.0 | 3 | 38 | 3 |
| 5200M3.00 | M3.00 | 0.50 | 2.30 | 6.0 | 3 | 38 | 3 |
| 5200M4.00 | M4.00 | 0.70 | 3.00 | 8.0 | 6 | 57 | 3 |
| 5200M5.00 | M5.00 | 0.80 | 3.80 | 10.0 | 6 | 57 | 4 |
| 5200M6.00 | M6.00 | 1.00 | 4.50 | 12.0 | 6 | 57 | 4 |
| 5200M8.00 | M8.00 | 1.25 | 5.00 | 16.0 | 6 | 57 | 4 |
| 5200M10.00 | M10.00 | 1.50 | 6.00 | 20.0 | 6 | 57 | 5 |

Z2-5



λ
0°

γ
8°

MG10

N

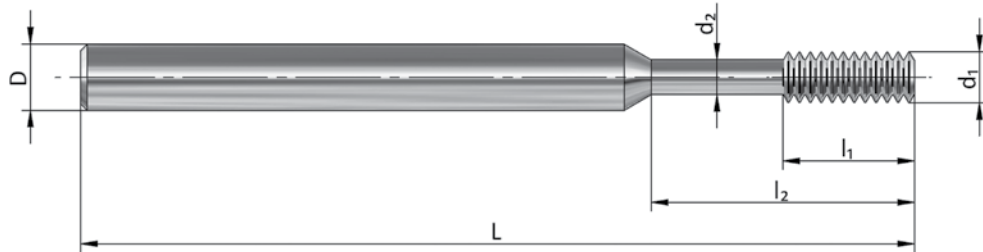
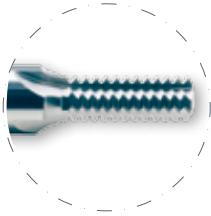
5200

Continuation

Thread mill - ISO 60°

Internal and external threading

Upon request



Available uncoated or coated (see page 61)

Z2-5



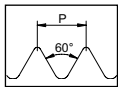
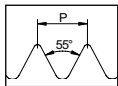
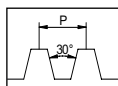
λ
0°

γ
8°

MG10

N

Order Quotation request

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------|
| Norm : <input type="checkbox"/>  ISO 60° <input type="checkbox"/>  ISO 55° <input type="checkbox"/>  ISO trapezoidale <input type="checkbox"/> Other : _____ | Dimensions : d ₁ : _____ l ₁ : _____ d ₂ : _____ l ₂ : _____ D* : _____ L* : _____ | | Coating : <input type="checkbox"/> Coated** : _____ <input type="checkbox"/> Uncoated |
| | Machined material : _____ | | Order No. : _____ |
| Quantity : _____ | | Contact person : _____ | |
| Company's stamp & date : _____ | | | |

*Standard dimensions of the bars : Ø 3x L 38, Ø 4x L 38, Ø 6x L 38, Ø 6x L 51, Ø 8x L 61, Ø 10x L 72, Ø 12x L 83, Ø 16x L 92, Ø 20x L 104

** Without information, the most suitable coating will be applied.

Helical thread mill - ISO 60°

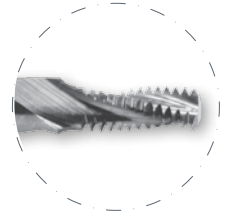
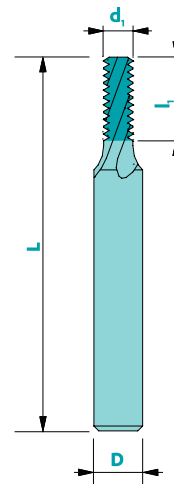
Internal and external threading

5300

| Material | Vc uncoated | Vc coated | Uncoated | Coated | Rec. Coating |
|-------------------------------|-------------|-----------|----------|--------|--------------|
| Steel < 700 N/mm ² | 80 | 100 | □ | ■ | Trio |
| Steel > 700 N/mm ² | 60 | 80 | □ | ■ | Trio |
| Stainless steel | 40 | 60 | □ | ■ | Trio |
| Cast iron | 70 | 50 | □ | ■ | Trio |
| Copper | 150 | 180 | □ | ■ | Solo |
| Brass - Bronze | 140 | 190 | ■ | □ | Solo |
| Aluminium | 200 | 250 | □ | ■ | Solo |
| Gold - Silver | 140 | 180 | ■ | □ | Solo |
| Platinum - Palladium | - | - | - | - | - |
| Superalloys | - | - | □ | ■ | Trio |
| Titanium | 40 | - | ■ | - | Rico |

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1\text{mm}$ ▶ +0/-0.01 D: h5
 $d_1 > 1\text{mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1 : e8$



Available uncoated or coated (see page 61)

| Art. n° | Ø nominal | Pitch | d_1 | l_1 | D | L | Z |
|----------------|------------|-------|-------|-------|---|----|---|
| 5300M1.20 | M1.20 | 0.25 | 0.85 | 2.4 | 3 | 38 | 2 |
| 5300M1.40 | M1.40 | 0.30 | 1.00 | 2.8 | 3 | 38 | 3 |
| 5300M1.60/1.80 | M1.60/1.80 | 0.35 | 1.10 | 3.6 | 3 | 38 | 3 |
| 5300M2.00 | M2.00 | 0.40 | 1.40 | 4.0 | 3 | 38 | 3 |
| 5300M2.50 | M2.50 | 0.45 | 1.80 | 5.0 | 3 | 38 | 3 |
| 5300M3.00 | M3.00 | 0.50 | 2.30 | 6.0 | 3 | 38 | 3 |
| 5300M4.00 | M4.00 | 0.70 | 3.00 | 8.0 | 6 | 57 | 3 |
| 5300M5.00 | M5.00 | 0.80 | 3.80 | 10.0 | 6 | 57 | 4 |
| 5300M6.00 | M6.00 | 1.00 | 4.50 | 12.0 | 6 | 57 | 4 |
| 5300M8.00 | M8.00 | 1.25 | 5.00 | 16.0 | 6 | 57 | 4 |
| 5300M10.00 | M10.00 | 1.50 | 6.00 | 20.0 | 6 | 57 | 5 |

Z2-5



λ
20°

γ
8°

MG10

N

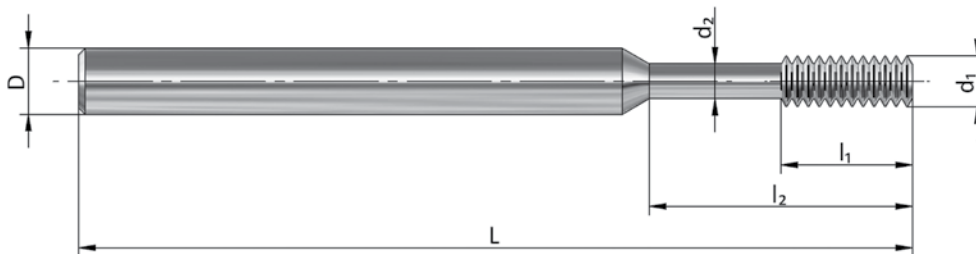
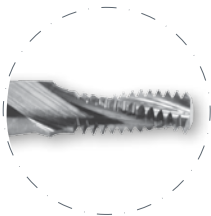
5300

Continuation

Helical thread mill - ISO 60°

Internal and external threading

Upon request



Available uncoated or coated (see page 61)

Z2-5



λ
20°

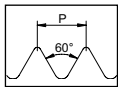
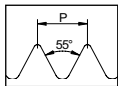
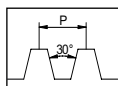
γ
8°

MG10

N

Order

Quotation request

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------|
| Norm : <input type="checkbox"/>  ISO 60° <input type="checkbox"/>  ISO 55° <input type="checkbox"/>  ISO trapézoïdal <input type="checkbox"/> Other : _____ | Dimensions : d_1 : _____ l_1 : _____ d_2 : _____ l_2 : _____ D^* : _____ L^* : _____ | | Coating : <input type="checkbox"/> Coated** : _____ <input type="checkbox"/> Uncoated |
| | Machined material : _____ | | Order No. : _____ |
| Quantity : _____ | | Contact person : _____ | |
| Company's stamp & date : _____ | | | |

*Standard dimensions of the bars : Ø 3x L 38, Ø 4x L 38, Ø 6x L 38, Ø 6x L 51, Ø 8x L 61, Ø 10x L 72, Ø 12x L 83, Ø 16x L 92, Ø 20x L 104

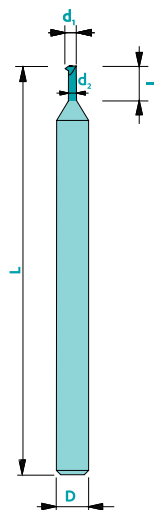
** Without information, the most suitable Coating will be applied.

Whirling tools Z1 - NIHS norm 06-02

5500

| Material | Vc | Uncoated | Coated | Rec. Coating |
|-------------------------------|-------------------|----------|--------|--------------|
| Steel < 700 N/mm ² | Max spindle speed | ☐ | ■ | Nemo |
| Steel > 700 N/mm ² | Max spindle speed | ☐ | ■ | Nemo |
| Stainless steel | Max spindle speed | ☐ | ■ | Nemo |
| Cast iron | Max spindle speed | ☐ | ■ | Nemo |
| Copper | Max spindle speed | ☐ | ■ | Solo |
| Brass - Bronze | Max spindle speed | ■ | ☐ | Solo |
| Aluminium | Max spindle speed | ■ | ■ | Solo |
| Gold - Silver | Max spindle speed | ☐ | ☐ | Solo |
| Platinum - Palladium | Max spindle speed | - | ☐ | Solo |
| Superalloys | Max spindle speed | - | ■ | Nemo |
| Titanium | Max spindle speed | ■ | ☐ | Rico |

not adapted - adapted ☐ highly adapted ■



Available
uncoated or coated
(see page 61)

Tolerances D:h5

| Art. n° | Ø nominal | Pitch | d ₁ | l ₁ | d ₂ | D | L |
|-----------|-----------|-------|----------------|----------------|----------------|---|----|
| 5500S0.30 | S0.30 | 0.080 | 0.21 | 0.80 | 0.12 | 3 | 38 |
| 5500S0.35 | S0.35 | 0.090 | 0.25 | 0.90 | 0.15 | 3 | 38 |
| 5500S0.40 | S0.40 | 0.100 | 0.30 | 1.00 | 0.19 | 3 | 38 |
| 5500S0.50 | S0.50 | 0.125 | 0.38 | 1.25 | 0.24 | 3 | 38 |
| 5500S0.60 | S0.60 | 0.150 | 0.46 | 1.50 | 0.29 | 3 | 38 |
| 5500S0.70 | S0.70 | 0.175 | 0.54 | 1.75 | 0.34 | 3 | 38 |
| 5500S0.80 | S0.80 | 0.200 | 0.60 | 2.00 | 0.37 | 3 | 38 |
| 5500S0.90 | S0.90 | 0.225 | 0.68 | 2.25 | 0.43 | 3 | 38 |
| 5500S1.00 | S1.00 | 0.250 | 0.76 | 2.50 | 0.48 | 3 | 38 |
| 5500S1.20 | S1.20 | 0.250 | 0.94 | 2.50 | 0.66 | 3 | 38 |
| 5500S1.40 | S1.40 | 0.300 | 1.10 | 3.00 | 0.76 | 3 | 38 |

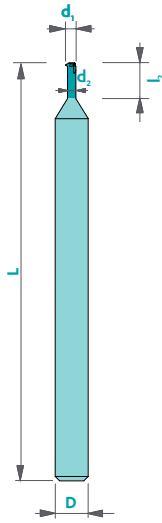
Z1

SUB-CARFINE

N

5600

Whirling tools Z3 - NIHS norm 06-02 & 06-03



Available
uncoated or coated
(see page 61)

| Material | Vc | Uncoated | Coated | Rec. Coating |
|-------------------------------|-------------------|----------|--------|--------------|
| Steel < 700 N/mm ² | Max spindle speed | □ | ■ | Nemo |
| Steel > 700 N/mm ² | Max spindle speed | □ | ■ | Nemo |
| Stainless steel | Max spindle speed | □ | ■ | Nemo |
| Cast iron | Max spindle speed | □ | ■ | Nemo |
| Copper | Max spindle speed | □ | ■ | Solo |
| Brass - Bronze | Max spindle speed | ■ | □ | Solo |
| Aluminium | Max spindle speed | ■ | ■ | Solo |
| Gold - Silver | Max spindle speed | □ | □ | Solo |
| Platinum - Palladium | Max spindle speed | - | □ | Solo |
| Superalloys | Max spindle speed | - | ■ | Nemo |
| Titanium | Max spindle speed | ■ | □ | Rico |

not adapted - adapted □ highly adapted ■

Tolerances D:h5

Z3

| Art. n° | Ø nominal | Pitch | d ₁ | l ₂ | d ₂ | D | L |
|-----------|-----------|-------|----------------|----------------|----------------|---|----|
| 5600S0.80 | S0.80 | 0.200 | 0.60 | 2.00 | 0.38 | 3 | 38 |
| 5600S0.90 | S0.90 | 0.225 | 0.68 | 2.25 | 0.43 | 3 | 38 |
| 5600S1.00 | S1.00 | 0.250 | 0.76 | 2.50 | 0.48 | 3 | 38 |
| 5600S1.20 | S1.20 | 0.250 | 0.94 | 2.50 | 0.66 | 3 | 38 |
| 5600S1.40 | S1.40 | 0.300 | 1.10 | 3.00 | 0.76 | 3 | 38 |
| 5600M1.00 | M1.00 | 0.250 | 0.76 | 2.50 | 0.48 | 3 | 38 |
| 5600M1.20 | M1.20 | 0.250 | 0.94 | 2.50 | 0.66 | 3 | 38 |
| 5600M1.40 | M1.40 | 0.300 | 1.10 | 3.00 | 0.76 | 3 | 38 |
| 5600M1.60 | M1.60 | 0.350 | 1.25 | 3.50 | 0.85 | 3 | 38 |
| 5600M1.80 | M1.80 | 0.350 | 1.45 | 3.50 | 1.05 | 3 | 38 |
| 5600M2.20 | M2.20 | 0.450 | 1.70 | 4.50 | 1.19 | 3 | 38 |
| 5600M2.50 | M2.50 | 0.450 | 2.00 | 5.00 | 1.49 | 3 | 38 |
| 5600M3.00 | M3.00 | 0.500 | 2.40 | 4.50 | 1.84 | 3 | 38 |

SUB-CARFINE

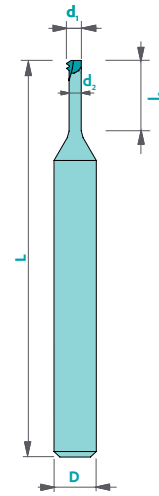
N

Double profile whirling tool NIHS norm 06-02 et 06-03

5700

| Material | Vc | Uncoated | Coated | Rec. Coating |
|-------------------------------|-------------------|----------|--------|--------------|
| Steel < 700 N/mm ² | Max spindle speed | □ | ■ | Nemo |
| Steel > 700 N/mm ² | Max spindle speed | □ | ■ | Nemo |
| Stainless steel | Max spindle speed | □ | ■ | Nemo |
| Cast iron | Max spindle speed | □ | ■ | Nemo |
| Copper | Max spindle speed | □ | ■ | Solo |
| Brass - Bronze | Max spindle speed | ■ | □ | Solo |
| Aluminium | Max spindle speed | ■ | ■ | Solo |
| Gold - Silver | Max spindle speed | □ | □ | Solo |
| Platinum - Palladium | Max spindle speed | - | □ | Solo |
| Superalloys | Max spindle speed | - | ■ | Nemo |
| Titanium | Max spindle speed | ■ | □ | Rico |

not adapted - adapted □ highly adapted ■



Available
uncoated or coated
(see page 61)

Tolerances D:h5

| Art. n° | Ø nominal | Pitch | d ₁ | l ₂ | d ₂ | D | L |
|-----------|-----------|-------|----------------|----------------|----------------|---|----|
| 5700S0.80 | S0.80 | 0.200 | 0.60 | 2.00 | 0.38 | 3 | 38 |
| 5700S0.90 | S0.90 | 0.225 | 0.68 | 2.25 | 0.43 | 3 | 38 |
| 5700S1.00 | S1.00 | 0.250 | 0.76 | 2.50 | 0.48 | 3 | 38 |
| 5700S1.20 | S1.20 | 0.250 | 0.94 | 2.50 | 0.66 | 3 | 38 |
| 5700S1.40 | S1.40 | 0.300 | 1.10 | 3.00 | 0.76 | 3 | 38 |
| 5700M1.00 | M1.00 | 0.250 | 0.76 | 2.50 | 0.48 | 3 | 38 |
| 5700M1.20 | M1.20 | 0.250 | 0.94 | 2.50 | 0.66 | 3 | 38 |
| 5700M1.40 | M1.40 | 0.300 | 1.10 | 3.00 | 0.76 | 3 | 38 |
| 5700M1.60 | M1.60 | 0.350 | 1.25 | 3.50 | 0.85 | 3 | 38 |
| 5700M1.80 | M1.80 | 0.350 | 1.45 | 3.50 | 1.05 | 3 | 38 |
| 5700M2.20 | M2.20 | 0.450 | 1.70 | 4.50 | 1.19 | 3 | 38 |
| 5700M2.50 | M2.50 | 0.450 | 2.00 | 5.00 | 1.49 | 3 | 38 |
| 5700M3.00 | M3.00 | 0.500 | 2.40 | 4.50 | 1.84 | 3 | 38 |

Z3

SUB-CARFINE

N