

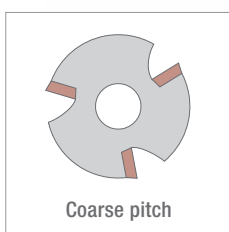


# DOUBLE4FACE ACTION

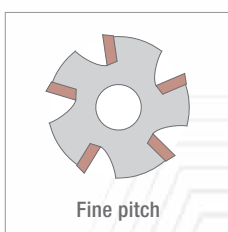
Il meglio per la fresatura a spianare a 45°



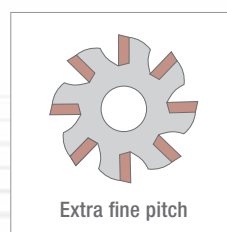
With shim



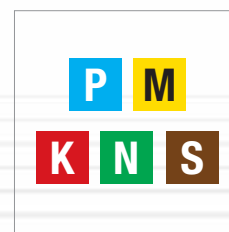
Coarse pitch



Fine pitch



Extra fine pitch



Acquista 30insertie ottieni il corpo fresa allo sconto speciale del 60%

Inserti: SNEX12, SNMX12

Corpi fresa: NT-SX12H

**nixko**TOOLS

scadenza 28/02/2026

**uemme**  
TOOLS and EQUIPMENT

# DOUBLE4FACE

First choice for high productivity face milling

## APPLICATION

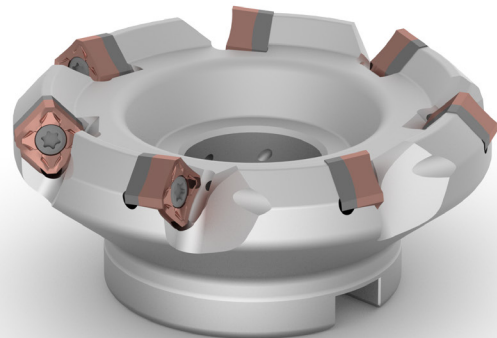
- Finishing / semi-finishing / rough face milling
- Removal of the crusted surfaces
- General milling of interrupted surfaces

## ISO APPLICATION FIELDS

**P M K N S**

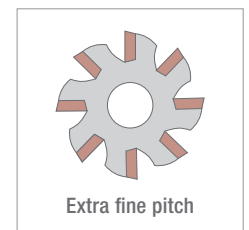
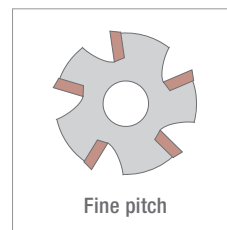
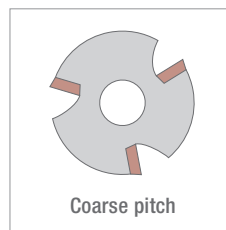
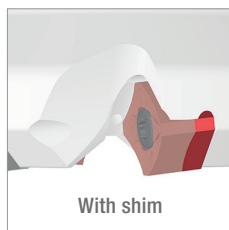
## ADVANTAGES AND CHARACTERISTICS

- Curved geometry generates low cutting force and smooth cutting process.
- Shim style cutter in the entire range guarantees high stability and operational.
- Complete grades covering ISO P, M, K, N, S materials (with both PVD and CVD coating).
- Accurate inserts in tolerance E or pressed inserts in tolerance M - available both high precision and high economical solutions.



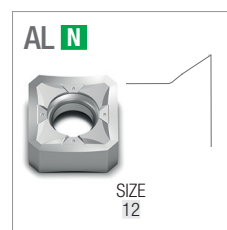
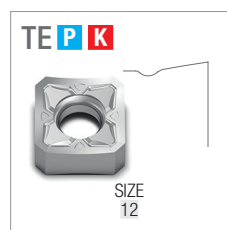
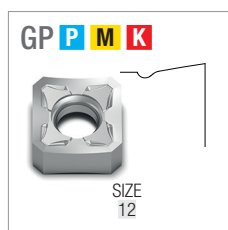
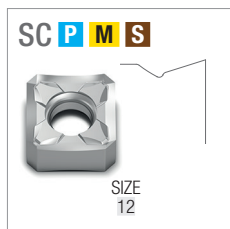
## • Cutter bodies

- Arbor type with shim
- From D50 to D160



## • Inserts

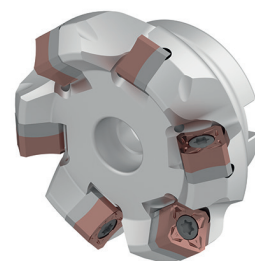
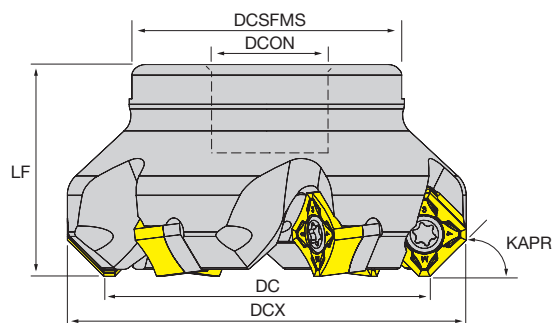
- 8 cutting edges
- Edge length 12 with APMX = 3 mm
- Cemented carbide grades with CVD and PVD coatings
- Geometries: SC, GP, TE, AL, WU wiper



# NT-SX

## Double4Face

- Double-sided face milling cutters, Kapr 45°
- With shims to protect the insert seats
- For double-sided square inserts with 8 cutting edges
- With coolant through



| Designation           | Stock | DC  | CICT | DCON | LF | LU | DCSFMS | CRKS | DCX | WT      | MIID     |
|-----------------------|-------|-----|------|------|----|----|--------|------|-----|---------|----------|
| NT-SX12H D050-F22-Z04 | ●     | 50  | 4    | 22   | 40 | -  | 48     | -    | 64  | 0.48 Kg | SNoX1205 |
| NT-SX12H D050-F22-Z05 | ●     | 50  | 5    | 22   | 40 | -  | 48     | -    | 64  | 0.46 Kg | SNoX1205 |
| NT-SX12H D063-F22-Z05 | ●     | 63  | 5    | 22   | 50 | -  | 52     | -    | 77  | 0.69 Kg | SNoX1205 |
| NT-SX12H D063-F22-Z06 | ●     | 63  | 6    | 22   | 50 | -  | 52     | -    | 77  | 0.67 Kg | SNoX1205 |
| NT-SX12H D080-F27-Z06 | ●     | 80  | 6    | 27   | 50 | -  | 60     | -    | 94  | 1.29 Kg | SNoX1205 |
| NT-SX12H D080-F27-Z07 | ●     | 80  | 7    | 27   | 50 | -  | 60     | -    | 94  | 1.27 Kg | SNoX1205 |
| NT-SX12H D080-F27-Z08 | ●     | 80  | 8    | 27   | 50 | -  | 60     | -    | 94  | 1.25 Kg | SNoX1205 |
| NT-SX12H D100-F32-Z07 | ●     | 100 | 7    | 32   | 50 | -  | 70     | -    | 114 | 1.64 Kg | SNoX1205 |
| NT-SX12H D100-F32-Z08 | ●     | 100 | 8    | 32   | 50 | -  | 70     | -    | 114 | 1.62 Kg | SNoX1205 |
| NT-SX12H D100-F32-Z09 | ●     | 100 | 9    | 32   | 50 | -  | 70     | -    | 114 | 1.59 Kg | SNoX1205 |
| NT-SX12H D125-F40-Z10 | ●     | 125 | 10   | 40   | 63 | -  | 80     | -    | 139 | 2.92 Kg | SNoX1205 |
| NT-SX12H D160-F40-Z12 | ●     | 160 | 12   | 40   | 63 | -  | 85     | -    | 174 | 4.36 Kg | SNoX1205 |

● stock standard, ○ non-standard stock, ▲ upcoming introduction, ▽ stock exhaustion

| Spare parts                                                 | Insert screws                                                                       | Flag wrenches                                                                       | Shim                                                                                | Shim screws                                                                         | L wrench                                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| NT-SX12H D <del>000</del> -F <del>00</del> -Z <del>00</del> |  |  |  |  |  |
| NT-SX12H D <del>000</del> -F <del>00</del> -Z <del>00</del> | NT-ST40136T15                                                                       | NT-FTB15                                                                            | NT-SH009                                                                            | NT-SR009                                                                            | NT-WR040                                                                             |

A - TURNING

B - THREADING

C - GROOVING

D - MILLING

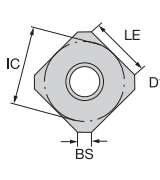
E - DRILLING

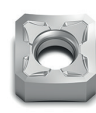
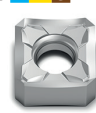
F - ACCESSORIES

G - SPARE PARTS

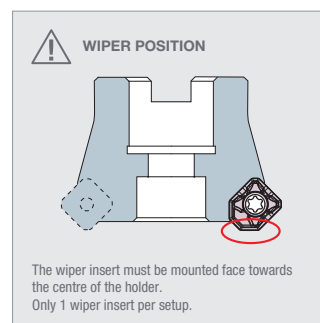
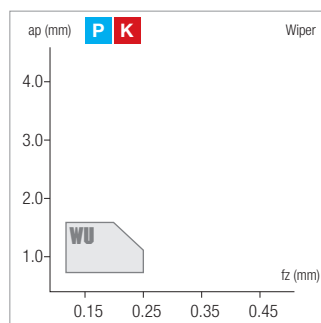
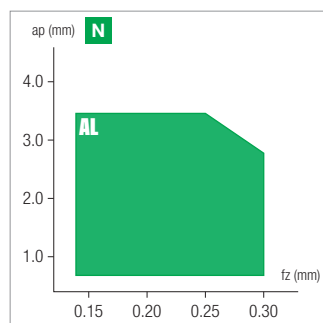
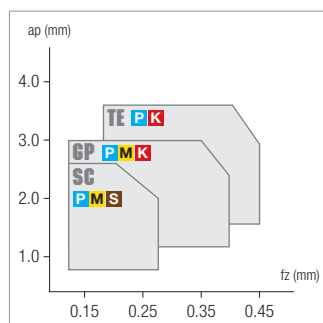
**SN****Double4Face**

- Double-sided face milling inserts
- 8 cutting edges
- Curved design effectively reduces cutting force
- Kapr 45°
- Diverse carbide grades with PVD and CVD coating grades available, covering a wide range of applications
- 3D geometries, sharp/ universal/ reinforced/ wiper types available

|                                                                                                                    |                                                                                |               |                          |               |                          |               |                          |               |                          |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|
| HC: Coated carbide<br>HF: Micrograin carbide<br>CVD: Chemical vapour deposition<br>PVD: Physical vapour deposition | HC                                                                             | HC            | HC                       | HF            | HF                       | HF            | HF                       | HF            | HF                       |
|                                                                                                                    | CVD                                                                            | CVD           | CVD                      | PVD           | PVD                      | PVD           | PVD                      | PVD           | PVD                      |
|                                                                                                                    | <b>JC7515</b>                                                                  | <b>JC8520</b> | <b>JC9540</b>            | <b>JP5520</b> | <b>JP5530</b>            | <b>JP7525</b> | <b>JP8725</b>            | <b>JP9535</b> | <b>JU6520</b>            |
| Stable machining, light cut                                                                                        | ● 1 <sup>st</sup> choice                                                       | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice |
| General machining, medium cut                                                                                      | ● 1 <sup>st</sup> choice                                                       | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice |
| Unstable machining, heavy cut                                                                                      | ● 1 <sup>st</sup> choice                                                       | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice | ○ suitable    | ● 1 <sup>st</sup> choice |
| <b>Dimensions</b>                                                                                                  | <b>ISO</b>                                                                     |               |                          |               |                          |               |                          |               |                          |
|                                   | <b>Vc(m/min) - suggested cutting speed range (bold: 1<sup>st</sup> choice)</b> |               |                          |               |                          |               |                          |               |                          |
|                                                                                                                    | <b>P</b>                                                                       | 130<br>300    |                          | 100<br>260    | 100<br>260               | 100<br>280    |                          |               |                          |
|                                                                                                                    | <b>M</b>                                                                       |               | 90<br>210                | 60<br>180     | 60<br>180                |               | 80<br>200                |               |                          |
|                                                                                                                    | <b>K</b>                                                                       | 180<br>360    | 160<br>320               |               |                          | 140<br>300    |                          |               |                          |
|                                                                                                                    | <b>N</b>                                                                       |               |                          |               |                          |               |                          | 300<br>1100   |                          |
|                                                                                                                    | <b>S</b>                                                                       |               | 30<br>70                 |               |                          |               | 20<br>60                 |               |                          |
|                                                                                                                    | <b>H</b>                                                                       |               |                          |               |                          |               |                          |               |                          |

| Designation       |                        | BS                                                                                  | IC  | S    | D1   | LE  | Stock |   |   |   |   |   |   |   |   |  |
|-------------------|------------------------|-------------------------------------------------------------------------------------|-----|------|------|-----|-------|---|---|---|---|---|---|---|---|--|
| <b>GENERAL</b>    | <b>GP P M K</b>        |    | 1.6 | 12.7 | 6.35 | 5.9 | 9.1   | ● |   |   |   | ● | ● | ● | ● |  |
|                   | <b>SNMX1205ANEN-GP</b> |                                                                                     |     |      |      |     |       | ● | ● | ● |   | ● | ▲ | ● | ▲ |  |
| <b>LOW FORCE</b>  | <b>SC P M S</b>        |   | 1.6 | 12.7 | 6.35 | 5.9 | 9.1   | ● |   | ● |   | ● | ● | ▲ | ● |  |
|                   | <b>SNEX1205ANEN-SC</b> |                                                                                     |     |      |      |     |       | ● |   | ● |   | ● | ● | ▲ | ● |  |
| <b>REINFORCED</b> | <b>TE P K</b>          |  | 1.6 | 12.7 | 6.35 | 5.9 | 9.1   | ○ |   |   | ▽ | ● | ● |   |   |  |
|                   | <b>SNMX1205ANSN-TE</b> |                                                                                     |     |      |      |     |       | ▲ | ● |   | ▽ | ● | ● | ▲ |   |  |
| <b>ALUMINIUM</b>  | <b>AL N</b>            |  | 1.6 | 12.7 | 6.35 | 5.9 | 9.1   |   |   |   |   |   |   |   | ● |  |
|                   | <b>SNEX1205ANFN-AL</b> |                                                                                     |     |      |      |     |       |   |   |   |   |   |   |   | ● |  |
| <b>WIPER</b>      | <b>WU P K</b>          |  | 5.1 | 12.7 | 6.35 | 5.9 | 9.1   | ● |   |   | ▽ | ● | ● |   |   |  |
|                   | <b>SNEX1205-WU</b>     |                                                                                     |     |      |      |     |       | ● |   |   | ▽ | ● | ● |   |   |  |

● stock standard, ○ non-standard stock, ▲ upcoming introduction, ▽ stock exhaustion



| ISO 513      | MATERIAL                                                                                   | HARDNESS<br>HB | ae/DC | JC8520 |       |      | JP5530 |       |     | JP8725 |       |     |
|--------------|--------------------------------------------------------------------------------------------|----------------|-------|--------|-------|------|--------|-------|-----|--------|-------|-----|
|              |                                                                                            |                |       | min    | start | max  | min    | start | max | min    | start | max |
| P1 - P2      | Free cutting steel and low carbon<br>(ex. 1.0715/9 smn 28/avp, 1.0503/c45)                 | ≤ 200          | 100%  | 130    | 180   | 230  | 100    | 140   | 180 | 100    | 150   | 200 |
|              |                                                                                            |                | 30%   | 200    | 240   | 280  | 160    | 200   | 240 | 160    | 210   | 260 |
|              |                                                                                            |                | 10%   | 260    | 280   | 300  | 220    | 240   | 260 | 220    | 250   | 280 |
| P3 - P4      | Medium and high alloy steel<br>(ex. 1.7225/42 CrMo 4, 1.3505/100 Cr 6)                     | 200 ÷ 300      | 100%  | 100    | 140   | 180  | 80     | 120   | 160 | 90     | 130   | 170 |
|              |                                                                                            |                | 30%   | 160    | 200   | 240  | 120    | 160   | 200 | 130    | 170   | 210 |
|              |                                                                                            |                | 10%   | 220    | 240   | 260  | 180    | 200   | 220 | 190    | 210   | 230 |
| P5 - P6      | High tensile strength and tool steel<br>(ex. 1.2344/X 40 CrMoV 5 1/ORVAR, Hardox400®)      | 300 ÷ 400      | 100%  | 70     | 100   | 130  | 60     | 90    | 120 | 80     | 110   | 140 |
|              |                                                                                            |                | 30%   | 120    | 160   | 200  | 100    | 130   | 160 | 120    | 150   | 180 |
|              |                                                                                            |                | 10%   | 200    | 220   | 240  | 140    | 170   | 200 | 160    | 190   | 220 |
| ISO 513      | MATERIAL                                                                                   | HARDNESS<br>HB | ae/DC | JC9540 |       |      | JP5530 |       |     | JP9535 |       |     |
|              |                                                                                            |                |       | min    | start | max  | min    | start | max | min    | start | max |
| P7           | Ferritic and martensitic stainless steel<br>(ex. 1.4021/X 20 Cr 13/AISI420)                | ≤ 200          | 100%  | 90     | 130   | 170  | 60     | 100   | 140 | 80     | 120   | 160 |
|              |                                                                                            |                | 30%   | 110    | 160   | 210  | 80     | 130   | 180 | 100    | 150   | 200 |
|              |                                                                                            |                | 10%   | 130    | 190   | 250  | 100    | 160   | 220 | 120    | 180   | 240 |
| P8           | Precipitation hardening stainless steel<br>(ex. 1.4548/X 5 CrNiCuNb 17 4/17-4-PH)          | ≤ 450          | 100%  | 70     | 100   | 130  |        |       |     | 60     | 90    | 120 |
|              |                                                                                            |                | 30%   | 80     | 110   | 140  |        |       |     | 70     | 100   | 130 |
|              |                                                                                            |                | 10%   | 90     | 120   | 150  |        |       |     | 80     | 110   | 140 |
| M1           | Austenitic stainless steel<br>(ex. 1.4305/X 10 CrNiS 18 9/AISI303)                         | > 200          | 100%  | 90     | 120   | 150  | 60     | 90    | 120 | 80     | 110   | 140 |
|              |                                                                                            |                | 30%   | 110    | 150   | 190  | 80     | 120   | 160 | 100    | 140   | 180 |
|              |                                                                                            |                | 10%   | 130    | 170   | 210  | 100    | 140   | 180 | 120    | 160   | 200 |
| M2 - M3      | Austenitic and Duplex stainless steel<br>(ex. 1.4401/X 5 CrNiMo 17 12 2/AISI316)           |                | 100%  | 80     | 110   | 140  |        |       |     | 70     | 100   | 130 |
|              |                                                                                            |                | 30%   | 90     | 120   | 150  |        |       |     | 80     | 110   | 140 |
|              |                                                                                            |                | 100%  | 100    | 130   | 160  |        |       |     | 90     | 120   | 150 |
| ISO 513      | MATERIAL                                                                                   | HARDNESS<br>HB | ae/DC | JC7515 |       |      | JC8520 |       |     | JP7525 |       |     |
|              |                                                                                            |                |       | min    | start | max  | min    | start | max | min    | start | max |
| K1           | Grey cast iron<br>(ex. 0.6025/GG 25/EN-GJL-250)                                            | 150 ÷ 250      | 100%  | 180    | 230   | 280  | 160    | 200   | 240 | 140    | 180   | 220 |
|              |                                                                                            |                | 30%   | 200    | 260   | 320  | 180    | 230   | 280 | 160    | 210   | 260 |
|              |                                                                                            |                | 10%   | 220    | 290   | 360  | 200    | 260   | 320 | 180    | 240   | 300 |
| K2           | Nodular cast iron<br>(ex. 0.7050/GGG 50/EN-GJS-500-7)                                      | 150 ÷ 350      | 100%  | 120    | 180   | 240  | 120    | 160   | 200 | 100    | 140   | 180 |
|              |                                                                                            |                | 30%   | 160    | 220   | 280  | 140    | 190   | 240 | 120    | 170   | 220 |
|              |                                                                                            |                | 10%   | 200    | 260   | 320  | 160    | 220   | 280 | 140    | 200   | 260 |
| K3 - K4      | Austenitic and ADI cast iron<br>(ex. 0.6660/GGL-NiCr 20 2/Ni-Resist 2, GJS-1000-5/ADI1000) | 250 ÷ 500      | 100%  | 100    | 140   | 180  | 100    | 130   | 160 | 90     | 120   | 150 |
|              |                                                                                            |                | 30%   | 140    | 180   | 220  | 120    | 160   | 200 | 120    | 150   | 180 |
|              |                                                                                            |                | 10%   | 180    | 220   | 260  | 140    | 190   | 240 | 150    | 180   | 210 |
| ISO 513      | MATERIAL                                                                                   | HARDNESS<br>HB | ae/DC | JU6520 |       |      |        |       |     |        |       |     |
|              |                                                                                            |                |       | min    | start | max  |        |       |     |        |       |     |
| N1           | Aluminium alloys ≤ Si 12%<br>(ex. 3.4365/AlZn5.5MgCu/ERGAL)                                |                | 100%  | 300    | 400   | 500  |        |       |     |        |       |     |
|              |                                                                                            |                | 30%   | 400    | 600   | 800  |        |       |     |        |       |     |
|              |                                                                                            |                | 10%   | 500    | 800   | 1100 |        |       |     |        |       |     |
| N2           | Aluminium alloys Si > 12%<br>(ex. 3.2382/G-AlSi12)                                         |                | 100%  | 200    | 250   | 300  |        |       |     |        |       |     |
|              |                                                                                            |                | 30%   | 300    | 350   | 400  |        |       |     |        |       |     |
|              |                                                                                            |                | 10%   | 400    | 450   | 500  |        |       |     |        |       |     |
| ISO 513      | MATERIAL                                                                                   | HARDNESS<br>HB | ae/DC | JC9540 |       |      | JP9535 |       |     |        |       |     |
|              |                                                                                            |                |       | min    | start | max  | min    | start | max |        |       |     |
| S1 - S2 - S3 | Fe/Ni/Co based heat resistant alloys<br>(ex. Hastelloy, Inconel 625, Inconel 718)          |                | 100%  | 30     | 40    | 50   | 20     | 30    | 40  |        |       |     |
|              |                                                                                            |                | 30%   | 40     | 50    | 60   | 30     | 40    | 50  |        |       |     |
|              |                                                                                            |                | 10%   | 50     | 60    | 70   | 40     | 50    | 60  |        |       |     |
| S4 - S5      | Titanium alloys<br>(ex. TiAl2Sn4Zr2MoSi)                                                   |                | 100%  |        |       |      | 40     | 50    | 60  |        |       |     |
|              |                                                                                            |                | 30%   |        |       |      | 50     | 60    | 70  |        |       |     |
|              |                                                                                            |                | 10%   |        |       |      | 60     | 70    | 80  |        |       |     |

ae: radial depth of cut; DC: milling cutter diameter

Complete workpiece materials p. H1.

A - TURNING

B - THREADING

C - GROOVING

D - MILLING

E - DRILLING

F - ACCESSORIES

G - SPARE PARTS

| A - TURNING     | DESIGNATION                  | ae/DC | DEPTH OF CUT |             |      | FEED RATE |             |      |
|-----------------|------------------------------|-------|--------------|-------------|------|-----------|-------------|------|
|                 |                              |       | ap (mm)      |             |      | fz (mm)   |             |      |
|                 |                              |       | min          | start       | max  | min       | start       | max  |
| B - THREADING   | SN <sub>o</sub> X1205ANEN-GP | 100%  | 1.00         | <b>2.00</b> | 3.00 | 0.13      | <b>0.21</b> | 0.29 |
|                 |                              | 30%   | 1.00         | <b>2.00</b> | 3.00 | 0.16      | <b>0.26</b> | 0.36 |
|                 |                              | 10%   | 1.00         | <b>2.00</b> | 3.00 | 0.20      | <b>0.31</b> | 0.42 |
|                 | SNEX1205ANEN-SC              | 100%  | 0.50         | <b>1.50</b> | 2.50 | 0.06      | <b>0.12</b> | 0.18 |
|                 |                              | 30%   | 0.50         | <b>1.50</b> | 2.50 | 0.08      | <b>0.15</b> | 0.22 |
|                 |                              | 10%   | 0.50         | <b>1.50</b> | 2.50 | 0.10      | <b>0.18</b> | 0.26 |
|                 | SN <sub>o</sub> X1205ANSN-TE | 100%  | 1.00         | <b>2.00</b> | 3.00 | 0.16      | <b>0.25</b> | 0.34 |
|                 |                              | 30%   | 1.00         | <b>2.00</b> | 3.00 | 0.20      | <b>0.32</b> | 0.44 |
|                 |                              | 10%   | 1.00         | <b>2.00</b> | 3.00 | 0.24      | <b>0.38</b> | 0.52 |
| C - GROOVING    | SNEX1205ANFN-AL              | 100%  | 0.50         | <b>1.50</b> | 2.50 | 0.10      | <b>0.20</b> | 0.30 |
|                 |                              | 30%   | 0.50         | <b>1.50</b> | 2.50 | 0.12      | <b>0.25</b> | 0.38 |
|                 |                              | 10%   | 0.50         | <b>1.50</b> | 2.50 | 0.14      | <b>0.28</b> | 0.42 |
|                 | SNEX1205-WU                  | 100%  | 0.50         | <b>1.00</b> | 1.50 | 0.06      | <b>0.13</b> | 0.20 |
|                 |                              | 30%   | 0.50         | <b>1.00</b> | 1.50 | 0.08      | <b>0.16</b> | 0.24 |
|                 |                              | 10%   | 0.50         | <b>1.00</b> | 1.50 | 0.10      | <b>0.19</b> | 0.28 |
|                 | D - MILLING                  |       |              |             |      |           |             |      |
|                 | E - DRILLING                 |       |              |             |      |           |             |      |
|                 | F - ACCESSORIES              |       |              |             |      |           |             |      |
| G - SPARE PARTS |                              |       |              |             |      |           |             |      |

# NOTE

---



**uemme s.r.l.**

Viale Lavoro e Industria  
25030 Coccaglio (BS)  
ITALIA

**info**

T | +39 030 7700112  
M | [Info@uemme.eu](mailto:Info@uemme.eu)  
S | [www.uemme.eu](http://www.uemme.eu)

Scansiona  
il Qrcode

scopri il mondo  
uemme

